

# Converting Colors

XYZ(83.9699, 90.4935,  
104.3373)

Have a look what the booklet for  
XYZ(83.9699, 90.4935, 104.3373)  
contains.

<b>XYZ(83.9521, 90.6424, 104.3378)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(83.9521, 90.6424,  
104.3378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F7FB
RGB	232, 247, 251
RGB Percent	91%, 97%, 98%
CMY	0.0902, 0.0314, 0.0157
CMYK	0.08, 0.02, 0.00, 0.02
HSL	193°, 70%, 95%
HSV	193°, 8%, 98%
XYZ	83.9521, 90.6424, 104.3378
YIQ	242.9710, -10.2240, -1.9360

# Conversions

## Conversions Part 2

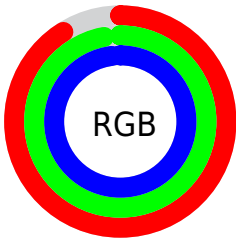
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 240, 251
Decimal	15267835
CIE <sub>Lab</sub>	96.26, -4.16, -3.62
CIE <sub>LCh</sub>	96, 5.512, 221.067
Yxy	90.6424, 0.3010, 0.3250
Android (android.graphics.Color)	4293457915 (0xFFE8F7FB)
YUV	242.9710, 3.9583, -9.6216
Hunter-Lab	95.2063, -9.2113, 1.6677

# Details

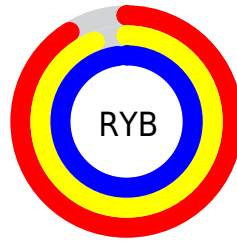
The XYZ color **83.9521, 90.6424, 104.3378** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3450, 86.3258, 88.5625**, and the grayscale version is **85.1459, 89.5802, 97.5528**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3856, 50.4318, 58.9193** is the 20% darker color. If you saturate the color by 10%, you get **74.7883, 83.5579, 103.4547**, and if you desaturate by 10%, it is **93.5528, 98.0250, 105.2582**.

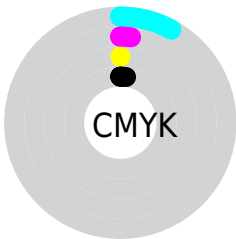
# Distribution



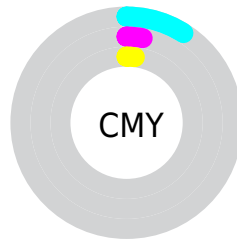
- Red (91%)
- Green (97%)
- Blue (98%)



- Red (91%)
- Yellow (94%)
- Blue (98%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9521, 90.6424, 104.3378 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 83.9521, 90.6424, 104.3378 by changing the saturation by 10% instead.



83.9521, 90.6424,  
104.3378

83.9521, 90.6424,  
104.3378

496.6902,  
530.1183, 595.3774

63.2955, 68.5136,  
79.2911

137.8298,  
148.2304, 169.2093

46.3398, 50.3157,  
58.6125

171.7815,  
184.4583, 209.8713

32.7198, 35.6643,  
41.8833

210.8957,  
226.1548, 256.5754

22.0701, 24.1750,  
28.6850

255.5376,  
273.7041, 309.7402

14.0253, 15.4635,  
18.5991

306.0727,  
327.4908, 369.7843

8.2201, 9.1453,  
11.2071

362.8663,

4.2891, 4.8361,

387.8991, 437.1261

6.0904

426.2836,  
455.3135, 512.1843

■ 1.8669, 2.1514,  
2.8305

■ 0.5575, 0.6933,  
1.0087

■ 83.9521, 90.6424,  
104.3378

■ 83.9521, 90.6424,  
104.3378

■ 74.7883, 83.5579,  
103.4547

■ 93.5528, 98.0250,  
105.2582

■ 66.7818, 77.1347,  
102.6369

■ 94.4129, 99.7451,  
105.5449

■ 59.8822, 71.3490,  
101.8838

■ 54.0324, 66.1707,  
101.1926

■ 49.1698, 61.5669,  
100.5603

■ 45.2252, 57.5013,  
99.9835

■ 42.1197, 53.9328,  
99.4583

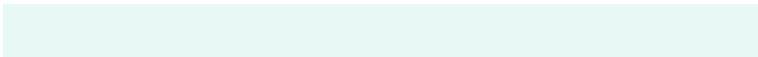
■ 39.7607, 50.8129,  
98.9805

■ 38.0261, 48.0782,  
98.5440

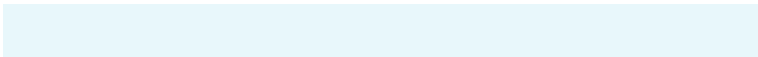
# Harmonies

## Analogous

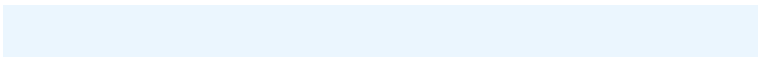
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2956, 90.6424, 100.3216



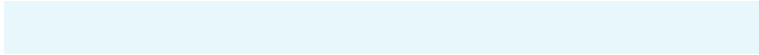
83.9521, 90.6424, 104.3378



85.2011, 90.6424, 106.8868

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9521, 90.6424, 104.3378



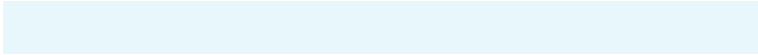
88.9679, 90.6424, 101.4554



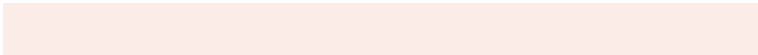
85.5890, 90.6424, 90.6480

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



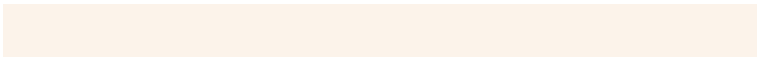
83.9521, 90.6424, 104.3378



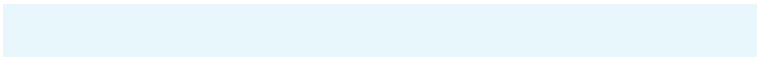
84.3450, 86.3258, 88.5625

# Split Complementary

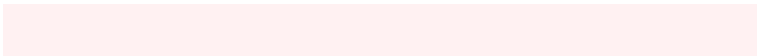
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1117, 90.6424, 90.9312



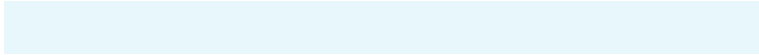
83.9521, 90.6424, 104.3378



89.0748, 90.6424, 97.0844

# Square

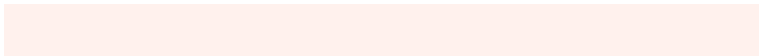
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9521, 90.6424, 104.3378



88.1016, 90.6424, 105.1890



88.3918, 90.6424, 93.2578

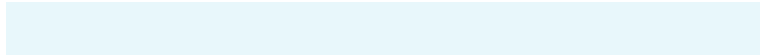


84.2331, 90.6424, 92.4724

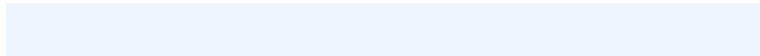


# Rectangle

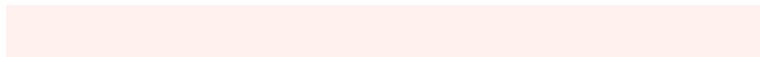
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9521, 90.6424, 104.3378



86.2077, 90.6424, 107.3671



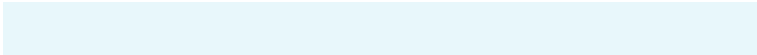
88.3918, 90.6424, 93.2578



86.0981, 90.6424, 90.5013

# Sweetspot

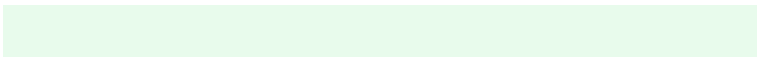
The Sweet Spot groups the original color and five complimentary colors.



83.9547, 90.6462, 104.3398



92.8573, 98.3630, 108.6996



82.8887, 92.1962, 92.6331



19.8983, 21.0709, 23.2683



0.0000, 0.0000, 0.0000

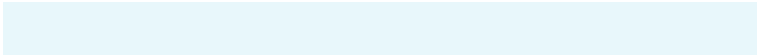


20.3446, 21.4041, 23.3091

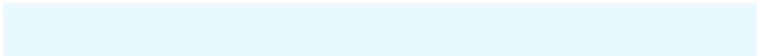


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9547, 90.6462, 104.3398



85.5843, 92.8629, 108.0213



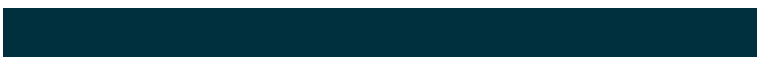
81.1801, 85.0970, 103.4149



17.4377, 18.9523, 22.1244



19.9020, 25.1595, 51.7809



1.9181, 2.4799, 4.8208



# Inverse Universe

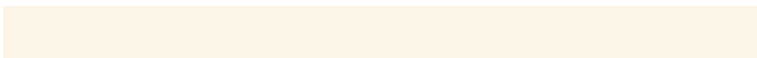
The Inverse Universe completely reimagines the original color for something new.



85.4308, 84.9397, 99.8925



87.3932, 85.9144, 102.5618



87.0939, 91.8235, 89.4788



17.8275, 17.4584, 20.9473



26.3376, 12.9508, 29.5500

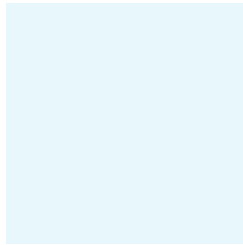


2.4771, 1.2146, 2.9358



# Previews

## White Background



This preview shows how the XYZ color 83.9521, 90.6424, 104.3378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

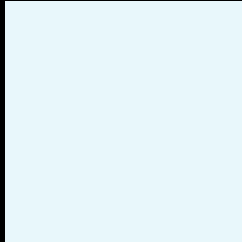
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9521, 90.6424, 104.3378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

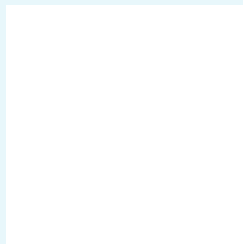
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.9521, 90.6424, 104.3378

## Background



This preview shows how black text looks on a background with the XYZ color 83.9521, 90.6424, 104.3378.



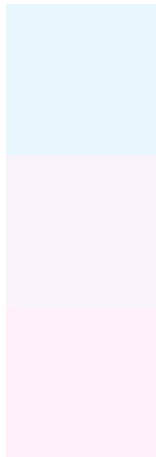
This preview shows how white text looks on a background with the XYZ color 83.9521, 90.6424,

104.3378.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.9521, 90.6424, 104.3378

### Protanopia

87.3516, 90.6527, 101.7007

### Deuteranopia

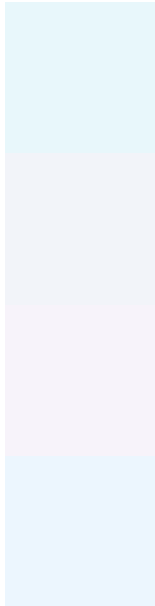
89.4990, 90.4197, 102.3582



## Tritanopia

86.2990, 90.8755, 107.6000

# Trichromacy



## Original Color

83.9521, 90.6424, 104.3378

## Protanomaly

86.0675, 90.4182, 102.5387

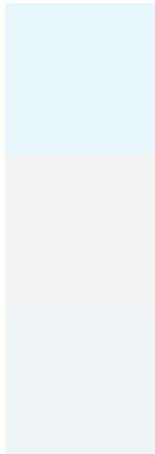
## Deuteranomaly

87.6637, 90.7775, 103.3439

## Tritanomaly

85.4372, 90.9002, 106.8084

# Monochromacy



## Original Color

83.9521, 90.6424, 104.3378

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.5818, 89.7059, 100.0458

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9521, 90.6424, 104.3378 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 247, 251)` looks like.

```
.text, #text, p{  
    color:rgb(232, 247, 251)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 247, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9521, 90.6424, 104.3378 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

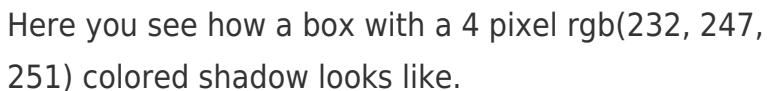
```
.border, #border, table{ border:4px solid rgb(232, 247, 251) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 247, 251) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(232, 247, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 247, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 247, 251); box-shadow:4px 4px 4px 4px rgb(232, 247, 251) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9521, 90.6424, 104.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 247, 251) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
247, 251) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor