

# Converting Colors

XYZ(84.3286, 91.0580,  
104.7419)

Have a look what the booklet for  
XYZ(84.3286, 91.0580, 104.7419)  
contains.

<b>XYZ(84.2587, 91.2556, 104.4400)</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(84.2587, 91.2556,  
104.4400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F8FB
RGB	232, 248, 251
RGB Percent	91%, 97%, 98%
CMY	0.0902, 0.0274, 0.0157
CMYK	0.08, 0.01, 0.00, 0.02
HSL	189°, 70%, 95%
HSV	189°, 8%, 98%
XYZ	84.2587, 91.2556, 104.4400
YIQ	243.5580, -10.4990, -2.4590

# Conversions

## Conversions Part 2

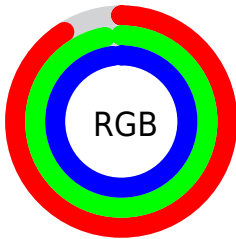
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 241, 251
Decimal	15268091
CIE Lab	96.52, -4.66, -3.25
CIE LCh	97, 5.683, 214.886
Yxy	91.2556, 0.3010, 0.3260
Android (android.graphics.Color)	4293458171 (0xFFE8F8FB)
YUV	243.5580, 3.6689, -10.1364
Hunter-Lab	95.5278, -9.7307, 2.0480

# Details

The XYZ color **84.2587, 91.2556, 104.4400** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0579, 85.7516, 88.4669**, and the grayscale version is **85.6158, 90.0745, 98.0911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6045, 50.8695, 58.9922** is the 20% darker color. If you saturate the color by 10%, you get **75.4824, 84.9461, 103.6861**, and if you desaturate by 10%, it is **93.4519, 97.8232, 105.2246**.

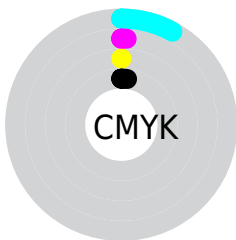
# Distribution



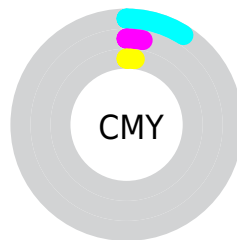
- Red (91%)
- Green (97%)
- Blue (98%)



- Red (91%)
- Yellow (95%)
- Blue (98%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2587, 91.2556, 104.4400 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 84.2587, 91.2556, 104.4400 by changing the saturation by 10% instead.



84.2587, 91.2556,  
104.4400

84.2587, 91.2556,  
104.4400

497.6926,  
532.1069, 595.7037

63.5495, 69.0225,  
79.3762

138.2564,  
149.0813, 169.3504

46.5462, 50.7300,  
58.6821

172.2756,  
185.4426, 210.0341

32.8835, 35.9938,  
41.9389

211.4621,  
227.2822, 256.7615

22.1960, 24.4294,  
28.7282

256.1813,  
274.9843, 309.9513

14.1184, 15.6525,  
18.6315

306.7987,  
328.9335, 370.0218

8.2853, 9.2786,  
11.2302

363.6794,

4.3314, 4.9233,

389.5140, 437.3917

6.1058

427.1889,  
457.1103, 512.4795

■ 1.8913, 2.2023,  
2.8397

■ 0.5718, 0.7213,  
1.0134

■ 84.2587, 91.2556,  
104.4400

■ 84.2587, 91.2556,  
104.4400

■ 75.4824, 84.9461,  
103.6861

■ 93.4519, 97.8232,  
105.2246

■ 67.8437, 79.2585,  
102.9909

■ 94.4129, 99.7451,  
105.5449

■ 61.2923, 74.1693,  
102.3539

■ 55.7714, 69.6487,  
101.7723

■ 51.2187, 65.6646,  
101.2432

■ 47.5650, 62.1809,  
100.7634

■ 44.7318, 59.1570,  
100.3291

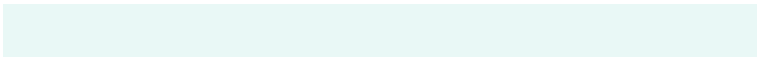
■ 42.6267, 56.5450,  
99.9358

■ 41.1279, 54.2818,  
99.5780

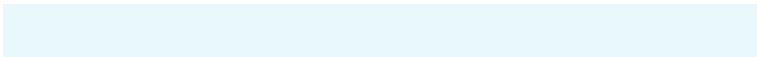
# Harmonies

## Analogous

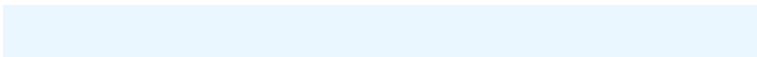
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7332, 91.2556, 100.1074



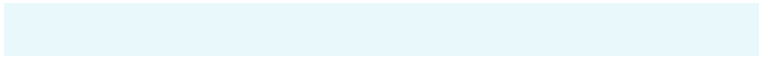
84.2587, 91.2556, 104.4400



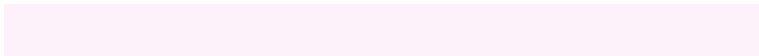
85.4481, 91.2556, 107.4796

# Triad

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



84.2587, 91.2556, 104.4400



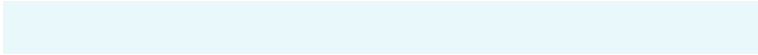
89.5257, 91.2556, 103.1141



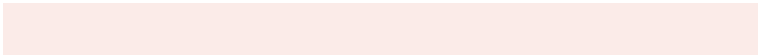
86.4763, 91.2556, 90.9133

# Complementary

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



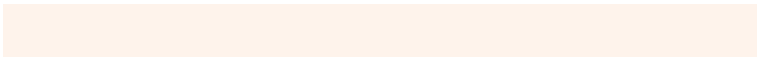
84.2587, 91.2556, 104.4400



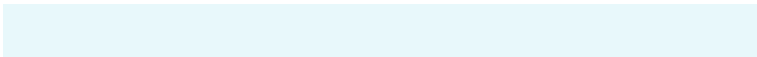
84.0579, 85.7516, 88.4669

# Split Complementary

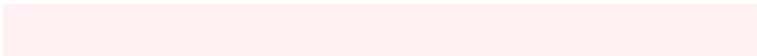
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0362, 91.2556, 91.6634



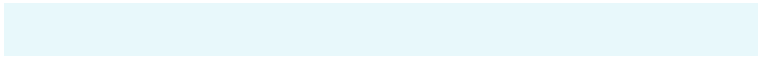
84.2587, 91.2556, 104.4400



89.8091, 91.2556, 98.6200

# Square

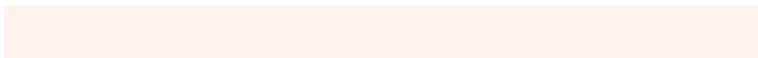
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2587, 91.2556, 104.4400



88.4912, 91.2556, 106.6979



89.2608, 91.2556, 94.4510

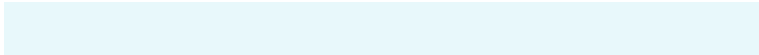


85.0036, 91.2556, 92.3700

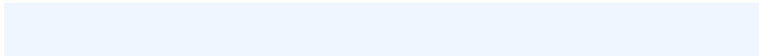


# Rectangle

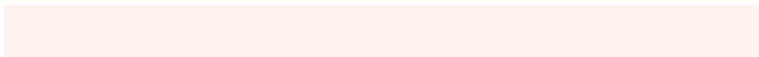
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2587, 91.2556, 104.4400



86.4642, 91.2556, 108.3150



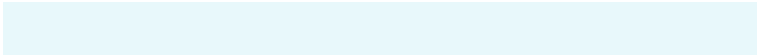
89.2608, 91.2556, 94.4510



87.0078, 91.2556, 90.9161

# Sweetspot

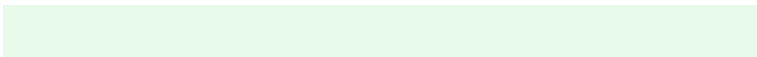
The Sweet Spot groups the original color and five complimentary colors.



84.2613, 91.2595, 104.4420



92.9425, 98.5334, 108.7280



82.7511, 92.1412, 91.9088



19.9156, 21.1056, 23.2741



0.0000, 0.0000, 0.0000

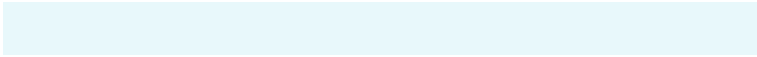


20.3446, 21.4041, 23.3091

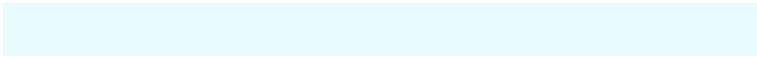


# Same Dimension

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



84.2613, 91.2595, 104.4420



85.9612, 93.6167, 108.1469



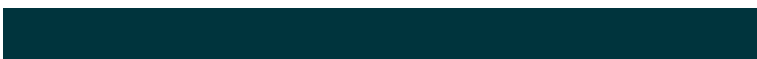
81.4569, 85.6507, 103.5072



17.5190, 19.1149, 22.1515



21.5409, 28.4373, 52.3272



2.0556, 2.7550, 4.8666



# Inverse Universe

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



85.5856, 85.0016, 100.7075



87.5834, 85.9905, 103.5635



86.8067, 91.2492, 89.3831



17.8685, 17.4748, 21.1634



27.1649, 13.2817, 33.9062

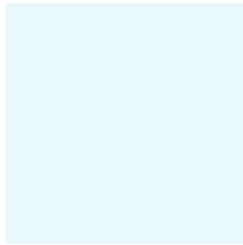


2.5465, 1.2423, 3.3013



# Previews

## White Background



This preview shows how the XYZ color 84.2587, 91.2556, 104.4400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

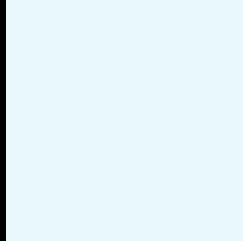
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2587, 91.2556, 104.4400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

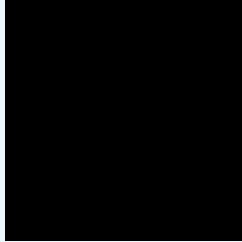
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.2587, 91.2556, 104.4400

## Background



This preview shows how black text looks on a background with the XYZ color 84.2587, 91.2556, 104.4400.



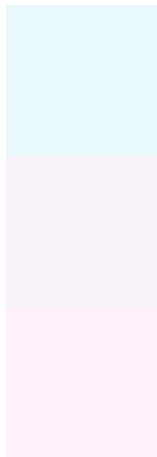
This preview shows how white text looks on a background with the XYZ color 84.2587, 91.2556,

104.400.

# 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

84.2587, 91.2556, 104.4400

### Protanopia

87.7053, 90.8350, 101.7173

### Deuteranopia

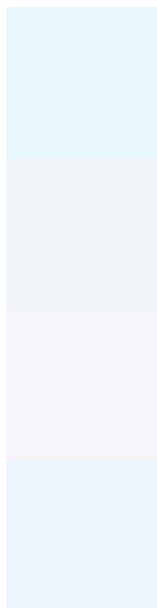
89.7942, 91.0101, 102.4566



## Tritanopia

86.6376, 91.0501, 107.6159

# Trichromacy



## Original Color

84.2587, 91.2556, 104.4400

## Protanomaly

86.3692, 91.0216, 102.6393

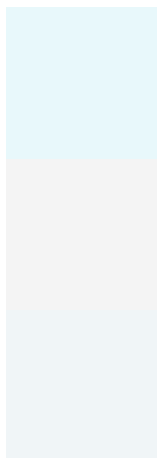
## Deuteranomaly

87.9638, 91.3777, 103.4439

## Tritanomaly

85.7702, 91.0718, 106.8240

# Monochromacy



## Original Color

84.2587, 91.2556, 104.4400

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.3761, 90.5455, 100.9729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2587, 91.2556, 104.4400 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, 248, 251)` looks like.

```
.text, #text, p{  
    color:rgb(232, 248, 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, 248, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 248, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2587, 91.2556, 104.4400 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, 248, 251) }
```



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

```
.border{ border-color:rgb(232, 248, 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, 248, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 248, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 248, 251);  
box-shadow:4px 4px 4px 4px rgb(232, 248,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2587, 91.2556, 104.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 248, 251) }
```

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

```
.background{ background-color: rgb(232,  
248, 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](#).

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