

# Converting Colors

XYZ(83.7212, 94.9163,  
104.0432)

Have a look what the booklet for  
XYZ(83.7212, 94.9163, 104.0432)  
contains.

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# **Color**

**XYZ(83.4467, 94.1101,  
104.2094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFFFA
RGB	223, 255, 250
RGB Percent	87%, 100%, 98%
CMY	0.1255, 0.0000, 0.0196
CMYK	0.13, 0.00, 0.02, 0.00
HSL	171°, 100%, 94%
HSV	171°, 13%, 100%
XYZ	83.4467, 94.1101, 104.2094
YIQ	244.8620, -17.4670, -8.3390

# Conversions

## Conversions Part 2

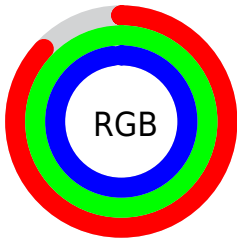
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 240, 255
Decimal	14680058
CIE <sub>Lab</sub>	97.68, -11.21, -1.10
CIE <sub>LCh</sub>	98, 11.268, 185.617
Yxy	94.1101, 0.2962, 0.3340
Android (android.graphics.Color)	4292870138 (0xFFDFFFA)
YUV	244.8620, 2.5330, -19.1730
Hunter-Lab	97.0104, -16.2254, 4.2174

# Details

The XYZ color **83.4467, 94.1101, 104.2094** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6318, 79.6379, 84.4681**, and the grayscale version is **86.6701, 91.1837, 99.2990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0801, 52.6080, 58.7646** is the 20% darker color. If you saturate the color by 10%, you get **75.5550, 90.1132, 100.6151**, and if you desaturate by 10%, it is **92.5366, 98.7231, 107.9316**.

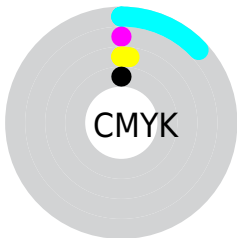
# Distribution



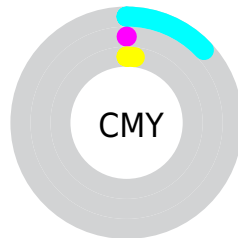
- Red (87%)
- Green (100%)
- Blue (98%)



- Red (87%)
- Yellow (94%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4467, 94.1101, 104.2094 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 83.4467, 94.1101, 104.2094 by changing the saturation by 10% instead.




 83.4467, 94.1101,  
104.2094

 83.4467, 94.1101,  
104.2094


495.0355,  
541.3121, 594.9673

 62.8769, 71.3945,  
79.1842


137.1262,  
153.0346, 169.0321

 45.9999, 52.6642,  
58.5251


170.9666,  
190.0123, 209.6666

 32.4504, 37.5348,  
41.8134


209.9612,  
232.5129, 256.3414

 21.8629, 25.6218,  
28.6307

254.4755,  
280.9207, 309.4749

 13.8723, 16.5409,  
18.5585

304.8747,  
335.6201, 369.4857

 8.1130, 9.9077,  
11.1781

361.5242,

 4.2197, 5.3378,

396.9956, 436.7924

6.0711

424.7893,  
465.4314, 511.8134

■ 1.8272, 2.4468,  
2.8189

■ 0.5340, 0.8498,  
1.0029

■ 83.4467, 94.1101,  
104.2094

■ 83.4467, 94.1101,  
104.2094

■ 75.5550, 90.1132,  
100.6151

■ 92.5366, 98.7231,  
107.9316

■ 68.8060, 86.7038,  
97.1412

95.0500, 100.0000,  
108.9000

■ 63.1438, 83.8532,  
93.7863

■ 58.5066, 81.5296,  
90.5469

■ 54.8266, 79.6979,  
87.4195

■ 52.0275, 78.3188,  
84.4001

■ 50.0212, 77.3470,  
81.4841

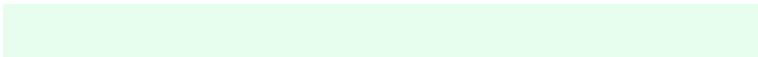
■ 48.7013, 76.7275,  
78.6660

■ 48.0473, 76.4349,  
76.6241

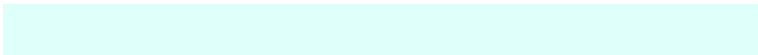
# Harmonies

## Analogous

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



83.9450, 94.1101, 95.3452



83.4467, 94.1101, 104.2094



84.5252, 94.1101, 113.1109

# Triad

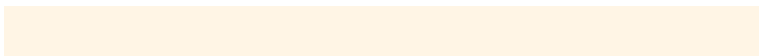
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4467, 94.1101, 104.2094



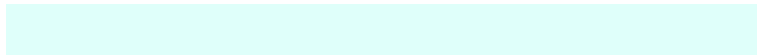
93.0910, 94.1101, 117.5196



92.0208, 94.1101, 87.2006

# Complementary

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



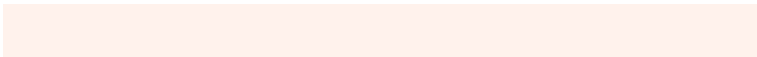
83.4467, 94.1101, 104.2094



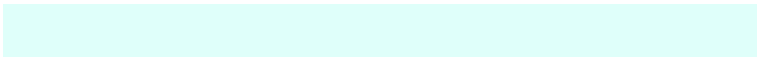
81.6318, 79.6379, 84.4681

# 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.



94.5600, 94.1101, 92.5181



83.4467, 94.1101, 104.2094



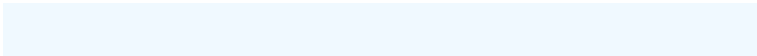
95.1882, 94.1101, 109.9410

# Square

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



83.4467, 94.1101, 104.2094



90.0542, 94.1101, 121.0846



95.7321, 94.1101, 100.7499

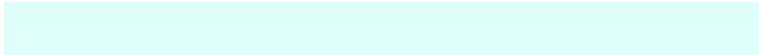


88.8462, 94.1101, 85.8680

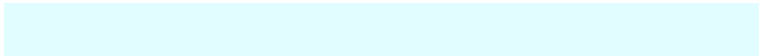


# Rectangle

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



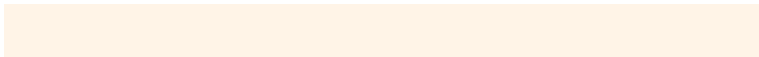
83.4467, 94.1101, 104.2094



86.0088, 94.1101, 117.7588



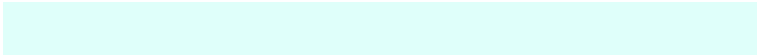
95.7321, 94.1101, 100.7499



92.9794, 94.1101, 88.5651

# Sweetspot

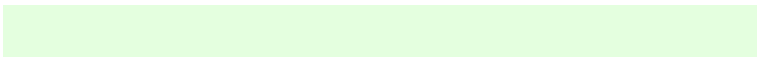
The Sweet Spot groups the original color and five complimentary colors.



83.4476, 94.1105, 104.2109



91.1409, 98.0143, 107.3836



81.1808, 93.3966, 83.5621



19.3553, 20.9016, 22.9240



0.0000, 0.0000, 0.0000

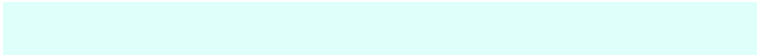


20.3446, 21.4041, 23.3091

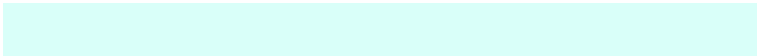


# Same Dimension

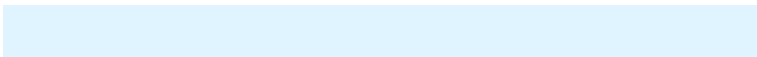
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4476, 94.1105, 104.2109



81.4038, 93.0746, 103.3179



80.9333, 87.8108, 107.2913



18.4257, 20.4298, 22.5450



25.1516, 39.9572, 40.2791



2.4803, 3.9030, 4.0871



# Inverse Universe

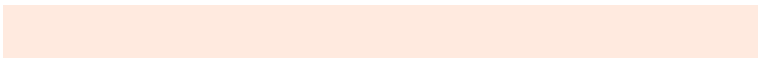
The Inverse Universe completely reimagines the original color for something new.



81.6318, 79.6379, 84.4681



79.2707, 76.0698, 80.1226



83.8879, 85.2446, 81.8459



18.1250, 18.0333, 19.2756



21.7815, 11.2019, 2.2341



2.1527, 1.1034, 0.3855



# Previews

## White Background



This preview shows how the XYZ color 83.4467, 94.1101, 104.2094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

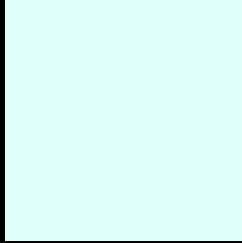
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.4467, 94.1101, 104.2094 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

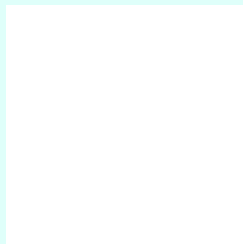
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.4467, 94.1101, 104.2094

## Background



This preview shows how black text looks on a background with the XYZ color 83.4467, 94.1101, 104.2094.



This preview shows how white text looks on a background with the XYZ color 83.4467, 94.1101,



# Color Blindness Simulation

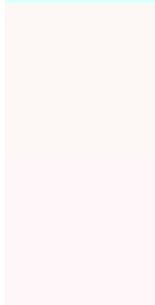
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

83.4467, 94.1101, 104.2094



### Protanopia

90.2502, 93.9967, 99.7727

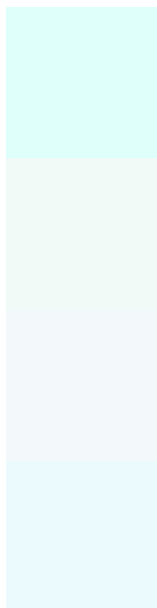
### Deuteranopia

91.4511, 94.0737, 103.7805

## **Tritanopia**

88.5436, 93.8486, 108.0556

# Trichromacy



## Original Color

83.4467, 94.1101, 104.2094

## Protanomaly

87.5921, 93.9639, 101.5159

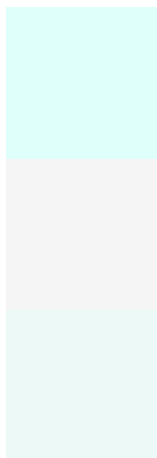
## Deuteranomaly

88.0931, 93.7082, 103.8870

## Tritanomaly

86.4878, 93.7484, 106.4654

# Monochromacy



## Original Color

83.4467, 94.1101, 104.2094

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.5892, 92.4713, 101.3334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.4467, 94.1101, 104.2094 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(223, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 250)  
}
```

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(223, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 83.4467, 94.1101, 104.2094 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(223, 255, 250) }
```



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

```
.border{ border-color:rgb(223, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.4467, 94.1101, 104.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 250) }
```

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

```
.background{ background-color: rgb(223,  
255, 250) }
```

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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