

Converting Colors

XYZ(83.1082, 77.3996,
255.4736)

Have a look what the booklet for
XYZ(83.1082, 77.3996, 255.4736)
contains.

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Color

**XYZ(54.4909, 65.9760,
104.4704)**

Conversions

Conversions Part 1

Format	Color
Hex	84E1FF
RGB	132, 225, 255
RGB Percent	52%, 88%, 100%
CMY	0.4823, 0.1176, 0.0000
CMYK	0.48, 0.12, 0.00, 0.00
HSL	195°, 100%, 76%
HSV	195°, 48%, 100%
XYZ	54.4909, 65.9760, 104.4704
YIQ	200.6130, -65.0580, -10.3860

Conversions

Conversions Part 2

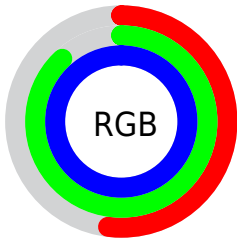
Format	Color
R_{YB}	132, 185, 255
Decimal	8708607
CIE Lab	84.98, -19.91, -23.15
CIE LCh	85, 30.534, 229.304
Yxy	65.9760, 0.2422, 0.2933
Android (android.graphics.Color)	4286898687 (0xFF84E1FF)
YUV	200.6130, 26.8128, -60.1736
Hunter-Lab	81.2256, -22.3966, -19.3994

Details

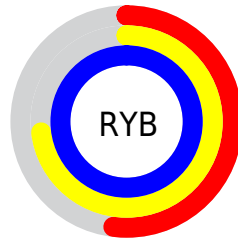
The XYZ color **54.4909, 65.9760, 104.4704** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.3258, 48.7672, 28.1706**, and the grayscale version is **55.1479, 58.0199, 63.1837**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **27.1663, 34.1663, 58.5890** is the 20% darker color. If you saturate the color by 10%, you get **49.3295, 60.8660, 103.7561**, and if you desaturate by 10%, it is **60.6917, 71.7156, 105.2514**.

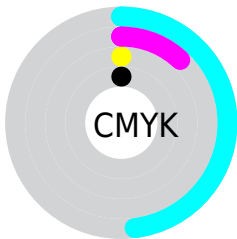
Distribution



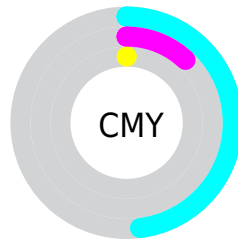
- Red (52%)
- Green (88%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4909, 65.9760, 104.4704 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 54.4909, 65.9760, 104.4704 by changing the saturation by 10% instead.

■ 54.4909, 65.9760,
104.4704

■ 54.4909, 65.9760,
104.4704

■ 394.1471,
446.2910, 595.8007

■ 39.2265, 48.2529,
79.4016

■ 95.9473, 113.4519,
169.3923

■ 27.1175, 34.0272,
58.7028

■ 122.8701,
143.9735, 210.0825

■ 17.7985, 22.9145,
41.9555

■ 154.4096,
179.5300, 256.8169

■ 10.9042, 14.5304,
28.7411

■ 190.9313,
220.5059, 310.0140

■ 6.0693, 8.4905,
18.6412

■ 232.8006,
267.2856, 370.0924

■ 2.9283, 4.4104,
11.2371

■ 280.3827,

■ 1.1160, 1.9057,

320.2534, 437.4707

6.1104

334.0431,
379.7938, 512.5672

■ 0.0384, 0.5518,
2.8424

■ 0.0000, 0.0000,
1.0148

■ 54.4909, 65.9760,
104.4704

■ 54.4909, 65.9760,
104.4704

■ 49.3295, 60.8660,
103.7561

■ 60.6917, 71.7156,
105.2514

■ 45.1290, 56.3399,
103.1039

■ 67.9919, 78.1124,
106.1014

■ 41.8083, 52.3563,
102.5100

■ 76.4534, 85.2006,
107.0236

■ 39.2695, 48.8639,
101.9697

■ 86.1316, 93.0098,
108.0208

■ 37.3779, 45.7921,
101.4765

95.0500, 100.0000,
108.9000

■ 37.0780, 45.2760,
101.3927

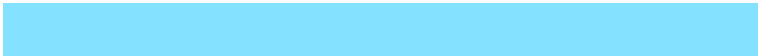
Harmonies

Analogous

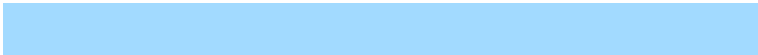
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0598, 65.9760, 85.0689



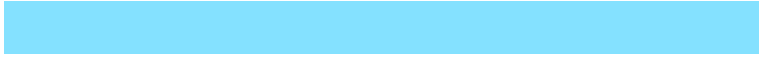
54.4909, 65.9760, 104.4704



60.2906, 65.9760, 115.7417

Triad

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



54.4909, 65.9760, 104.4704



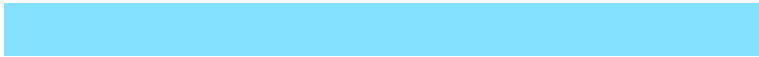
76.5900, 65.9760, 79.0822



58.4461, 65.9760, 41.7451

Complementary

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



54.4909, 65.9760, 104.4704



58.3258, 48.7672, 28.1706

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.



65.1896, 65.9760, 40.7311



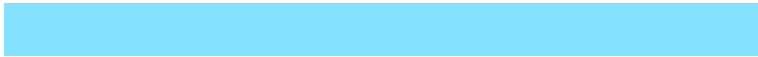
54.4909, 65.9760, 104.4704



76.0058, 65.9760, 60.0530

Square

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



54.4909, 65.9760, 104.4704



73.2552, 65.9760, 99.4059



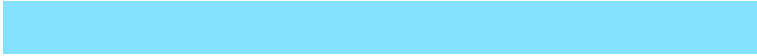
71.7127, 65.9760, 46.8230



53.2255, 65.9760, 49.9035

Rectangle

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



54.4909, 65.9760, 104.4704



64.8660, 65.9760, 115.9611



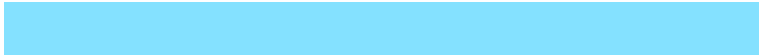
71.7127, 65.9760, 46.8230



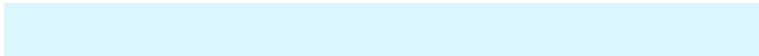
60.5988, 65.9760, 40.6219

Sweetspot

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



54.4928, 65.9784, 104.4708



80.3988, 88.4168, 107.4364



51.6835, 78.9887, 46.1038



16.7723, 18.5705, 22.9504



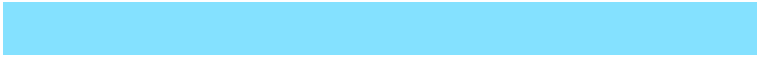
0.0000, 0.0000, 0.0000



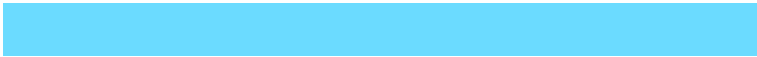
20.3446, 21.4041, 23.3091

Same Dimension

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



54.4928, 65.9784, 104.4708



49.4387, 60.9784, 103.7721



40.9863, 38.9655, 99.9686



18.1575, 19.6867, 23.0929



19.4970, 23.9037, 53.0209



1.9836, 2.4978, 5.1909

Inverse Universe

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



63.0831, 43.2004, 76.2505



59.2851, 36.9070, 70.9685



71.5800, 75.2757, 32.5886



18.5922, 18.2202, 21.7355



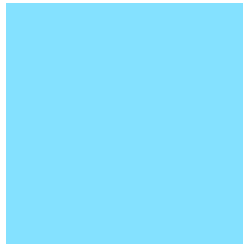
26.6294, 13.1411, 27.7626



2.6358, 1.2967, 2.9296

Previews

White Background



This preview shows how the XYZ color 54.4909, 65.9760, 104.4704 looks on a white background.

Color Contrast Check

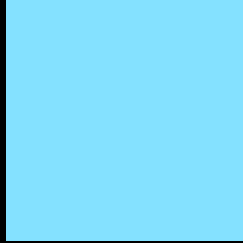
Large Text (above 18pt) WCAG AA × Fail

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 54.4909, 65.9760, 104.4704 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 54.4909, 65.9760, 104.4704

Background



This preview shows how black text looks on a background with the XYZ color 54.4909, 65.9760, 104.4704.

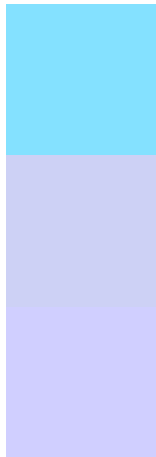


This preview shows how white text looks on a background with the XYZ color 54.4909, 65.9760,

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

54.4909, 65.9760, 104.4704

Protanopia

64.4587, 65.1726, 95.5684

Deuteranopia

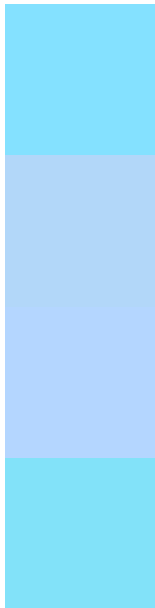
66.3752, 65.2555, 103.7050



Tritanopia

53.0038, 66.1979, 96.3701

Trichromacy



Original Color

54.4909, 65.9760, 104.4704

Protanomaly

59.7594, 64.9054, 99.0009

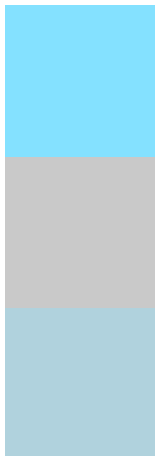
Deuteranomaly

60.9190, 65.0164, 103.9464

Tritanomaly

53.5012, 65.9781, 99.5378

Monochromacy



Original Color

54.4909, 65.9760, 104.4704

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.0022, 60.5438, 77.2465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.4909, 65.9760, 104.4704 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(132, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 225, 255)  
}
```

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(132, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.4909, 65.9760, 104.4704 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(132, 225, 255) }
```


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

```
.border{ border-color:rgb(132, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.4909, 65.9760, 104.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 225, 255) }
```

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

```
.background{ background-color: rgb(132,  
225, 255) }
```

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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