

Converting Colors

XYZ(51.1380, 67.4217,
104.9262)

Have a look what the booklet for
XYZ(51.1380, 67.4217, 104.9262)
contains.

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Color

**XYZ(51.2134, 67.5725,
104.9513)**

Conversions

Conversions Part 1

Format	Color
Hex	58E9FF
RGB	88, 233, 255
RGB Percent	35%, 91%, 100%
CMY	0.6549, 0.0863, 0.0000
CMYK	0.65, 0.09, 0.00, 0.00
HSL	188°, 100%, 67%
HSV	188°, 65%, 100%
XYZ	51.2134, 67.5725, 104.9513
YIQ	192.1530, -93.4820, -23.8980

Conversions

Conversions Part 2

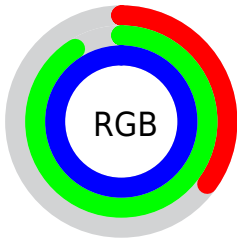
Format	Color
R_{YB}	88, 166, 255
Decimal	5827071
CIE _{Lab}	85.79, -31.89, -22.06
CIE _{LCh}	86, 38.779, 214.670
Yxy	67.5725, 0.2289, 0.3020
Android (android.graphics.Color)	4284017151 (0xFF58E9FF)
YUV	192.1530, 30.9836, -91.3422
Hunter-Lab	82.2025, -32.6462, -18.1562

Details

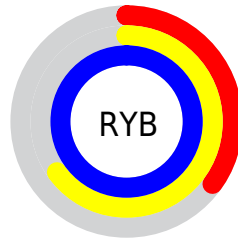
The XYZ color **51.2134, 67.5725, 104.9513** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **48.5785, 33.1180, 13.0667**, and the grayscale version is **50.0585, 52.6654, 57.3526**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **25.9152, 35.5215, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **48.2667, 64.6566, 104.5438**, and if you desaturate by 10%, it is **55.0257, 70.9644, 105.4051**.

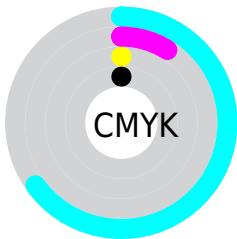
Distribution



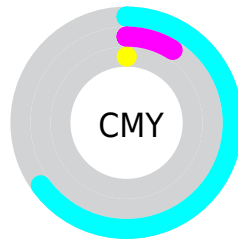
- Red (35%)
- Green (91%)
- Blue (100%)



- Red (35%)
- Yellow (65%)
- Blue (100%)



- Cyan (65%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2134, 67.5725, 104.9513 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 51.2134, 67.5725, 104.9513 by changing the saturation by 10% instead.

51.2134, 67.5725,
104.9513

51.2134, 67.5725,
104.9513

381.7663,
451.9799, 597.3348

36.6002, 49.5500,
79.8021

91.1512, 115.7404,
170.0559

25.0704, 35.0560,
59.0303

117.2066,
146.6545, 210.8485

16.2585, 23.7060,
42.2174

147.8067,
182.6347, 257.6925

9.7993, 15.1157,
28.9447

183.3170,
224.0654, 311.0067

5.3273, 8.9006,
18.7938

224.1027,
271.3308, 371.2094

2.4773, 4.6764,
11.3460

270.5293,

0.8838, 2.0587,

324.8154, 438.7193

6.1830

322.9620,
384.9036, 513.9549

■ 0.0000, 0.6412,
2.8861

■ 0.0000, 0.0000,
1.0368

■ 51.2134, 67.5725,
104.9513

■ 51.2134, 67.5725,
104.9513

■ 48.2667, 64.6566,
104.5438

■ 55.0257, 70.9644,
105.4051

■ 46.0873, 62.1616,
104.1771

■ 59.7772, 74.8660,
105.9077

■ 44.5629, 60.0307,
103.8461

■ 65.5399, 79.3161,
106.4630

■ 44.0149, 59.1499,
103.7050

■ 72.3772, 84.3475,
107.0737

■ 80.3472, 89.9902,
107.7428

■ 89.5039, 96.2723,
108.4728

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.7041, 67.5725, 77.6176



51.2134, 67.5725, 104.9513



57.2120, 67.5725, 127.0466

Triad

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



51.2134, 67.5725, 104.9513



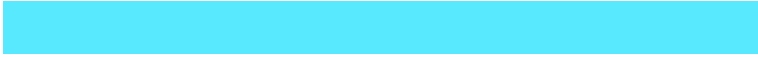
80.8801, 67.5725, 96.4752



62.8491, 67.5725, 34.8851

Complementary

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



51.2134, 67.5725, 104.9513



48.5785, 33.1180, 13.0667

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.



71.7903, 67.5725, 37.7108



51.2134, 67.5725, 104.9513



82.7374, 67.5725, 69.6752

Square

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



51.2134, 67.5725, 104.9513



74.4079, 67.5725, 121.4167



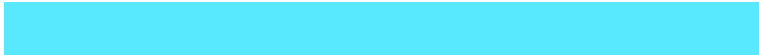
79.2740, 67.5725, 49.1728



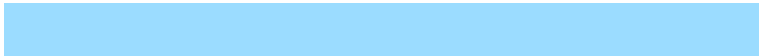
55.0174, 67.5725, 40.3115

Rectangle

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



51.2134, 67.5725, 104.9513



62.6567, 67.5725, 133.6015



79.2740, 67.5725, 49.1728



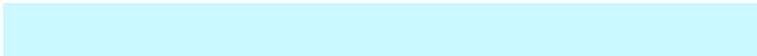
65.8205, 67.5725, 34.9149

Sweetspot

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



51.2153, 67.5749, 104.9517



76.6060, 87.3658, 107.4335



42.4652, 74.6671, 26.2201



15.9239, 18.3639, 22.9553



0.0000, 0.0000, 0.0000



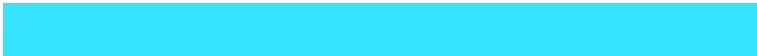
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2153, 67.5749, 104.9517



47.4186, 63.7344, 104.4105



33.3073, 31.7590, 98.9824



18.3388, 20.0491, 23.1533



23.0782, 31.0660, 54.2146



2.3013, 3.1333, 5.2968

Inverse Universe

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



59.4390, 34.1244, 80.5472



56.6065, 29.4839, 76.4446



61.6298, 59.2207, 17.4171



18.6836, 18.2568, 22.2172



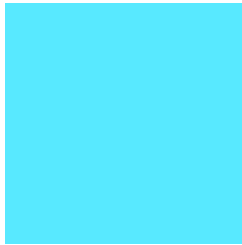
28.4370, 13.8641, 37.2814



2.7962, 1.3609, 3.7742

Previews

White Background



This preview shows how the XYZ color 51.2134, 67.5725, 104.9513 looks on a white background.

Color Contrast Check

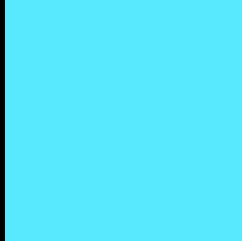
Large Text (above 18pt) WCAG AA × Fail

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 51.2134, 67.5725, 104.9513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

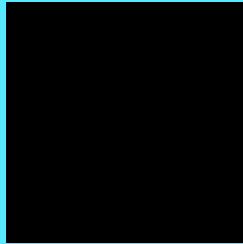
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2134, 67.5725, 104.9513

Background



This preview shows how black text looks on a background with the XYZ color 51.2134, 67.5725, 104.9513.

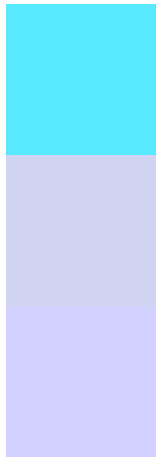


This preview shows how white text looks on a background with the XYZ color 51.2134, 67.5725,

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

51.2134, 67.5725, 104.9513

Protanopia

65.1839, 66.3493, 92.5902

Deuteranopia

67.4288, 66.5226, 103.8940



Tritanopia

50.6401, 67.3323, 102.4229

Trichromacy



Original Color

51.2134, 67.5725, 104.9513



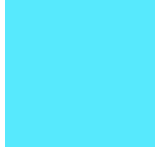
Protanomaly

57.2759, 65.2094, 96.7567



Deuteranomaly

58.8473, 65.4698, 104.1431



Tritanomaly

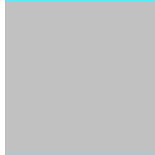
50.7990, 67.3959, 103.2598

Monochromacy



Original Color

51.2134, 67.5725, 104.9513



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.9050, 56.4020, 72.6518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2134, 67.5725, 104.9513 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(88, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 233, 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(88, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2134, 67.5725, 104.9513 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(88, 233, 255) }
```


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

```
.border{ border-color:rgb(88, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2134, 67.5725, 104.9513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 233, 255) }
```

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

```
.background{ background-color: rgb(88, 233,  
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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