

Converting Colors

XYZ(50.8315, 64.5146,
104.3058)

Have a look what the booklet for
XYZ(50.8315, 64.5146, 104.3058)
contains.

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Color

**XYZ(50.8399, 64.4963,
104.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	67E2FF
RGB	103, 226, 255
RGB Percent	40%, 89%, 100%
CMY	0.5960, 0.1137, 0.0000
CMYK	0.60, 0.11, 0.00, 0.00
HSL	191°, 100%, 70%
HSV	191°, 60%, 100%
XYZ	50.8399, 64.4963, 104.3772
YIQ	192.5290, -82.6170, -17.0570

Conversions

Conversions Part 2

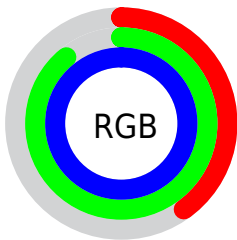
Format	Color
R_{YB}	103, 171, 255
Decimal	6808319
CIE _{Lab}	84.22, -26.12, -24.40
CIE _{LCh}	84, 35.748, 223.050
Yxy	64.4963, 0.2314, 0.2935
Android (android.graphics.Color)	4284998399 (0xFF67E2FF)
YUV	192.5290, 30.7982, -78.5169
Hunter-Lab	80.3096, -27.5425, -20.8416

Details

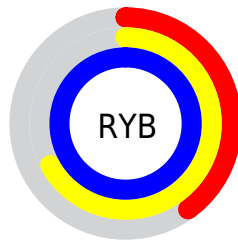
The XYZ color **50.8399, 64.4963, 104.3772** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.9405, 38.7432, 17.5747**, and the grayscale version is **50.2743, 52.8925, 57.5999**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **24.7337, 32.9122, 58.4752** is the 20% darker color. If you saturate the color by 10%, you get **47.0448, 60.6051, 103.8262**, and if you desaturate by 10%, it is **55.5678, 68.9268, 104.9832**.

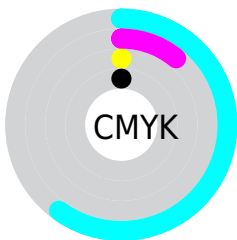
Distribution



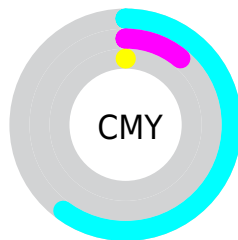
- Red (40%)
- Green (89%)
- Blue (100%)



- Red (40%)
- Yellow (67%)
- Blue (100%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8399, 64.4963, 104.3772 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 50.8399, 64.4963, 104.3772 by changing the saturation by 10% instead.

50.8399, 64.4963,
104.3772

50.8399, 64.4963,
104.3772

380.3394,
440.9797, 595.5032

36.3017, 47.0528,
79.3239

90.6025, 111.3254,
169.2637

24.8385, 33.0774,
58.6393

116.5576,
141.4797, 209.9340

16.0849, 22.1857,
41.9047

147.0491,
176.6398, 256.6471

9.6755, 13.9934,
28.7017

182.4423,
217.1899, 309.8216

5.2449, 8.1161,
18.6116

223.1025,
263.5146, 369.8758

2.4279, 4.1693,
11.2160

269.3952,

0.8590, 1.7687,

315.9982, 437.2285

6.0963

321.6857,
375.0251, 512.2981

■ 0.0000, 0.4676,
2.8340

■ 0.0000, 0.0000,
1.0105

■ 50.8399, 64.4963,
104.3772

■ 50.8399, 64.4963,
104.3772

■ 47.0448, 60.6051,
103.8262

■ 55.5678, 68.9268,
104.9832

■ 44.0927, 57.2024,
103.3250

■ 61.2966, 73.9281,
105.6466

■ 41.8851, 54.2383,
102.8692

■ 68.0945, 79.5371,
106.3710

■ 40.2651, 51.6316,
102.4514

■ 76.0216, 85.7854,
107.1592

■ 40.2061, 51.5322,
102.4354

■ 85.1339, 92.7021,
108.0140

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.



47.6396, 64.4963, 80.5340



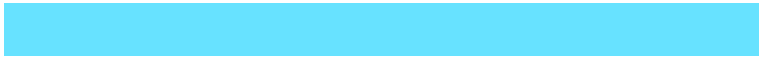
50.8399, 64.4963, 104.3772



56.9714, 64.4963, 120.7107

Triad

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



50.8399, 64.4963, 104.3772



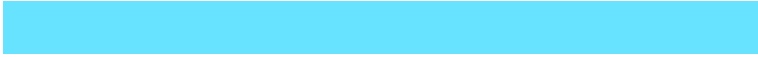
77.0417, 64.4963, 83.7133



57.9292, 64.4963, 35.7491

Complementary

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



50.8399, 64.4963, 104.3772



51.9405, 38.7432, 17.5747

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.



65.8463, 64.4963, 36.2407



50.8399, 64.4963, 104.3772



77.3542, 64.4963, 60.8365

Square

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



50.8399, 64.4963, 104.3772



72.2883, 64.4963, 107.1322



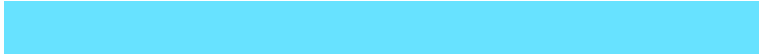
73.1087, 64.4963, 44.4772



51.4890, 64.4963, 42.9485

Rectangle

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



50.8399, 64.4963, 104.3772



62.1152, 64.4963, 123.3579



73.1087, 64.4963, 44.4772



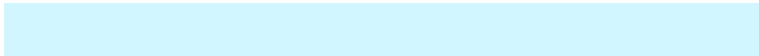
60.4955, 64.4963, 35.0751

Sweetspot

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



50.8417, 64.4986, 104.3776



77.4026, 86.8496, 107.2918



45.4426, 76.0393, 33.7097



16.0361, 18.1791, 22.9137



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.



50.8417, 64.4986, 104.3776



46.2642, 59.7471, 103.7017



34.7334, 32.2820, 99.0081



18.2430, 19.8576, 23.1213



21.1136, 27.1368, 53.5597



2.1280, 2.7867, 5.2390

Inverse Universe

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



59.8190, 36.4533, 75.8373



56.4335, 30.9834, 70.6976



65.9697, 66.8017, 22.2512



18.6353, 18.2374, 21.9627



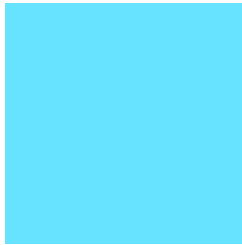
27.4454, 13.4674, 32.0594



2.7087, 1.3259, 3.3135

Previews

White Background



This preview shows how the XYZ color 50.8399, 64.4963, 104.3772 looks on a white background.

Color Contrast Check

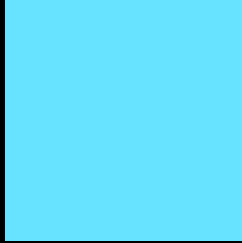
Large Text (above 18pt) WCAG AA × Fail

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 50.8399, 64.4963, 104.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

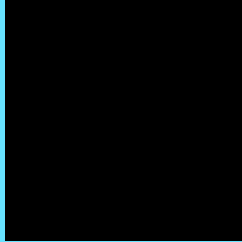
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8399, 64.4963, 104.3772

Background



This preview shows how black text looks on a background with the XYZ color 50.8399, 64.4963, 104.3772.

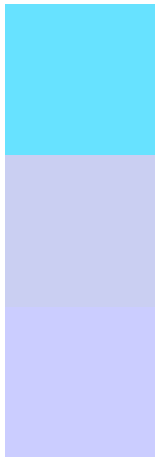


This preview shows how white text looks on a background with the XYZ color 50.8399, 64.4963,

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

50.8399, 64.4963, 104.3772

Protanopia

62.6970, 63.5930, 92.9746

Deuteranopia

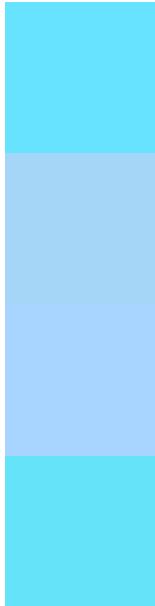
64.5099, 63.5792, 103.4797



Tritanopia

49.5235, 64.7933, 97.0850

Trichromacy



Original Color

50.8399, 64.4963, 104.3772

Protanomaly

56.5610, 62.9155, 97.1585

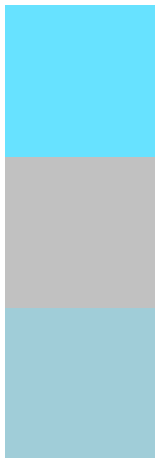
Deuteranomaly

57.7806, 63.0240, 103.7272

Tritanomaly

49.8235, 64.4870, 99.4438

Monochromacy



Original Color

50.8399, 64.4963, 104.3772

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.7232, 56.0941, 73.2250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8399, 64.4963, 104.3772 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(103, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 226, 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(103, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.8399, 64.4963, 104.3772 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(103, 226, 255) }
```


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

```
.border{ border-color:rgb(103, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 226, 255); box-shadow:4px 4px 4px 4px rgb(103, 226, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8399, 64.4963, 104.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 226, 255) }
```

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

```
.background{ background-color: rgb(103,  
226, 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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