

Converting Colors

XYZ(50.6992, 64.3841,
104.3630)

Have a look what the booklet for
XYZ(50.6992, 64.3841, 104.3630)
contains.

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Color

**XYZ(50.7258, 64.4375,
104.3719)**

Conversions

Conversions Part 1

Format	Color
Hex	66E2FF
RGB	102, 226, 255
RGB Percent	40%, 89%, 100%
CMY	0.6000, 0.1137, 0.0000
CMYK	0.60, 0.11, 0.00, 0.00
HSL	191°, 100%, 70%
HSV	191°, 60%, 100%
XYZ	50.7258, 64.4375, 104.3719
YIQ	192.2300, -83.2130, -17.2690

Conversions

Conversions Part 2

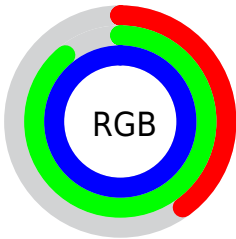
Format	Color
RYB	102, 170, 255
Decimal	6742783
CIELab	84.19, -26.30, -24.45
CIELCh	84, 35.908, 222.920
Yxy	64.4375, 0.2311, 0.2935
Android (android.graphics.Color)	4284932863 (0xFF66E2FF)
YUV	192.2300, 30.9456, -79.1317
Hunter-Lab	80.2730, -27.6806, -20.8985

Details

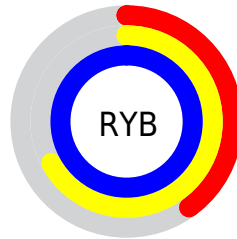
The XYZ color **50.7258, 64.4375, 104.3719** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.7555, 38.4531, 17.2667**, and the grayscale version is **50.0989, 52.7080, 57.3990**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **24.6679, 32.8783, 58.4721** is the 20% darker color. If you saturate the color by 10%, you get **46.9724, 60.5803, 103.8252**, and if you desaturate by 10%, it is **55.4083, 68.8314, 104.9732**.

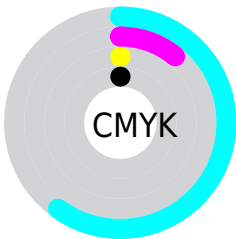
Distribution



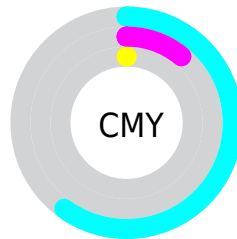
- Red (40%)
- Green (89%)
- Blue (100%)



- 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 50.7258, 64.4375, 104.3719 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 50.7258, 64.4375, 104.3719 by changing the saturation by 10% instead.

50.7258, 64.4375,
104.3719

50.7258, 64.4375,
104.3719

379.9028,
440.7678, 595.4863

36.2106, 47.0051,
79.3195

90.4347, 111.2408,
169.2564

24.7677, 33.0397,
58.6357

116.3592,
141.3804, 209.9256

16.0319, 22.1569,
41.9018

146.8174,
176.5247, 256.6375

9.6377, 13.9722,
28.6994

182.1748,
217.0578, 309.8106

5.2198, 8.1013,
18.6100

222.7966,
263.3643, 369.8635

2.4129, 4.1599,
11.2148

269.0483,

0.8515, 1.7634,

315.8286, 437.2147

6.0955

321.2953,
374.8349, 512.2828

■ 0.0000, 0.4642,
2.8335

■ 0.0000, 0.0000,
1.0103

■ 50.7258, 64.4375,
104.3719

■ 50.7258, 64.4375,
104.3719

■ 46.9724, 60.5803,
103.8252

■ 55.4083, 68.8314,
104.9732

■ 44.0580, 57.2088,
103.3280

■ 61.0886, 73.7937,
105.6316

■ 41.8833, 54.2728,
102.8760

■ 67.8350, 79.3615,
106.3508

■ 40.2834, 51.6867,
102.4611

■ 75.7079, 85.5664,
107.1335

■ 40.2830, 51.6859,
102.4610

■ 84.7632, 92.4375,
107.9825

95.0500, 100.0000,
108.9000

Harmonies

Analogous

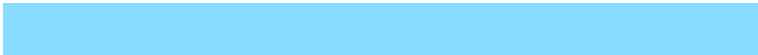
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.5298, 64.4375, 80.4056



50.7258, 64.4375, 104.3719



56.8676, 64.4375, 120.8443

Triad

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



50.7258, 64.4375, 104.3719



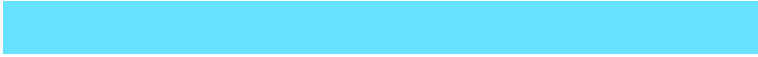
77.0405, 64.4375, 83.8125



57.8933, 64.4375, 35.5733

Complementary

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



50.7258, 64.4375, 104.3719



51.7555, 38.4531, 17.2667

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.



65.8434, 64.4375, 36.0986



50.7258, 64.4375, 104.3719



77.3755, 64.4375, 60.8267

Square

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



50.7258, 64.4375, 104.3719



72.2493, 64.4375, 107.3262



73.1284, 64.4375, 44.3858



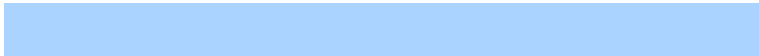
51.4206, 64.4375, 42.7511

Rectangle

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



50.7258, 64.4375, 104.3719



62.0274, 64.4375, 123.5555



73.1284, 64.4375, 44.3858



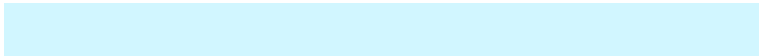
60.4710, 64.4375, 34.9093

Sweetspot

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



50.7276, 64.4398, 104.3722



77.4201, 86.8845, 107.2976



45.2734, 75.9584, 33.4141



16.0405, 18.1877, 22.9151



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.



50.7276, 64.4398, 104.3722



46.3243, 59.8675, 103.7218



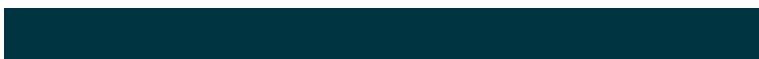
34.5094, 32.0034, 98.9662



18.2450, 19.8617, 23.1220



21.1533, 27.2161, 53.5729



2.1315, 2.7937, 5.2402

Inverse Universe

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



59.7200, 36.2554, 75.8044



56.4639, 30.9956, 70.8576



65.8432, 66.6285, 21.9626



18.6363, 18.2378, 21.9680



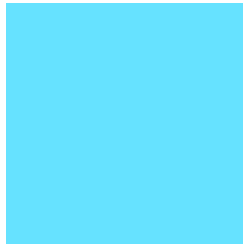
27.4654, 13.4755, 32.1649



2.7105, 1.3266, 3.3229

Previews

White Background



This preview shows how the XYZ color 50.7258, 64.4375, 104.3719 looks on a white background.

Color Contrast Check

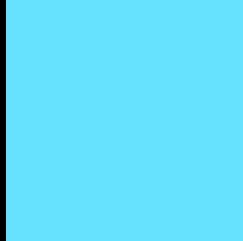
Large Text (above 18pt) WCAG AA × Fail

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 50.7258, 64.4375, 104.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

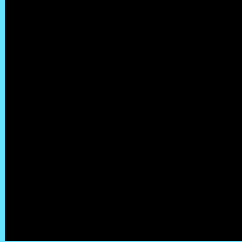
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7258, 64.4375, 104.3719

Background



This preview shows how black text looks on a background with the XYZ color 50.7258, 64.4375, 104.3719.



This preview shows how white text looks on a background with the XYZ color 50.7258, 64.4375,

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

50.7258, 64.4375, 104.3719

Protanopia

62.6970, 63.5930, 92.9746

Deuteranopia

64.5099, 63.5792, 103.4797



Tritanopia

49.4150, 64.7373, 97.0799

Trichromacy



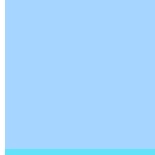
Original Color

50.7258, 64.4375, 104.3719



Protanomaly

56.5610, 62.9155, 97.1585



Deuteranomaly

57.5701, 62.9155, 103.7174



Tritanomaly

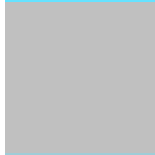
49.7136, 64.4304, 99.4387

Monochromacy



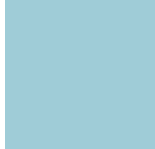
Original Color

50.7258, 64.4375, 104.3719



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.1567, 55.4630, 72.4573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7258, 64.4375, 104.3719 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(102, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7258, 64.4375, 104.3719 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(102, 226, 255) }
```


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

```
.border{ border-color:rgb(102, 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(102, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7258, 64.4375, 104.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 226, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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