

Converting Colors

XYZ(50.5404, 75.1677, 70.6143)

Have a look what the booklet for
XYZ(50.5404, 75.1677, 70.6143)
contains.

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Color

**XYZ(50.5050, 75.0231,
70.8505)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 65F9CF |
| RGB | 101, 249, 207 |
| RGB Percent | 40%, 98%, 81% |
| CMY | 0.6039, 0.0235, 0.1882 |
| CMYK | 0.59, 0.00, 0.17, 0.02 |
| HSL | 163°, 93%, 69% |
| HSV | 163°, 59%, 98% |
| XYZ | 50.5050, 75.0231, 70.8505 |
| YIQ | 199.9600, -74.7260, -44.4380 |

Conversions

Conversions Part 2

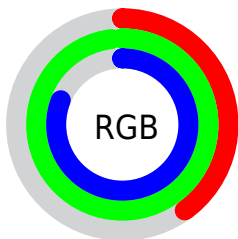
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 101, 187, 249 |
| Decimal | 6683087 |
| CIE Lab | 89.40, -49.35, 8.42 |
| CIE LCh | 89, 50.058, 170.316 |
| Yxy | 75.0231, 0.2572, 0.3820 |
| Android (android.graphics.Color) | 4284873167 (0xFF65F9CF) |
| YUV | 199.9600, 3.4707, -86.7879 |
| Hunter-Lab | 86.6159, -47.4959, 12.1328 |

Details

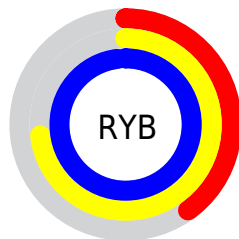
The XYZ color **50.5050, 75.0231, 70.8505** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.6810, 31.4322, 29.4906**, and the grayscale version is **54.8893, 57.7478, 62.8873**.

A 20% lighter version of the original color is **69.1198, 86.6325, 107.6865**, and **24.7246, 40.0637, 36.5669** is the 20% darker color. If you saturate the color by 10%, you get **47.2835, 73.4619, 66.2914**, and if you desaturate by 10%, it is **54.6136, 77.0410, 75.6563**.

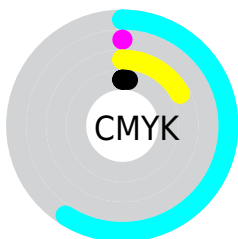
Distribution



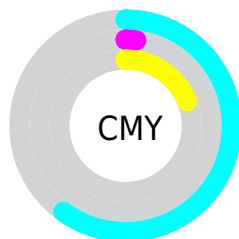
- Red (40%)
- Green (98%)
- Blue (81%)



- Red (40%)
- Yellow (73%)
- Blue (98%)



- Cyan (59%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (60%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5050, 75.0231, 70.8505 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 50.5050, 75.0231, 70.8505 by changing the saturation by 10% instead.


 50.5050, 75.0231,
70.8505


 50.5050, 75.0231,
70.8505


379.0570,
477.9970, 482.4002


 36.0343, 55.6318,
51.7391


 90.1100, 126.3451,
122.1133

 24.6309, 39.9078,
36.4164


 115.9750,
159.0445, 155.1018

 15.9295, 27.4667,
24.4637


 146.3688,
196.9488, 193.5531

 9.5648, 17.9240,
15.4626

181.6567,
240.4424, 237.8857

 5.1714, 10.8954,
8.9945

222.2041,
289.9096, 288.5182

 2.3840, 5.9966,
4.6408

268.3764,

 0.8371, 2.8430,

345.7348, 345.8691

1.9831

320.5389,
408.3025, 410.3569

0.0000, 1.0503,
0.5448

0.0000, 0.0000,
0.0000

50.5050, 75.0231,
70.8505

50.5050, 75.0231,
70.8505

47.2835, 73.4619,
66.2914

54.6136, 77.0410,
75.6563

44.8635, 72.3075,
61.9674


59.6726, 79.5424,
80.7094


43.1527, 71.5144,
57.8732


65.7468, 82.5625,
86.0170


42.0045, 71.0070,
53.9993

72.8930, 86.1307,
91.5842

 41.9468, 70.9819,
53.7871

 81.1641, 90.2741,
97.4158

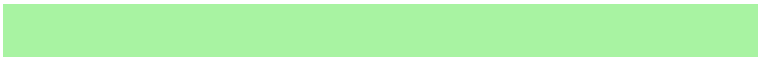
 90.6092, 95.0180,
103.5167

 93.1670, 96.2340,
108.2723

Harmonies

Analogous

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



54.6627, 75.0231, 45.7202



50.5050, 75.0231, 70.8505



51.4085, 75.0231, 107.4374

Triad

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



50.5050, 75.0231, 70.8505



79.8078, 75.0231, 162.7521



87.4418, 75.0231, 39.9725

Complementary

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



50.5050, 75.0231, 70.8505



48.6810, 31.4322, 29.4906

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.



95.7738, 75.0231, 60.4203



50.5050, 75.0231, 70.8505



91.0279, 75.0231, 132.8180

Square

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



50.5050, 75.0231, 70.8505



67.4154, 75.0231, 167.9322



97.1565, 75.0231, 93.5766



75.3459, 75.0231, 31.5785

Rectangle

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



50.5050, 75.0231, 70.8505



54.8028, 75.0231, 133.6085



97.1565, 75.0231, 93.5766



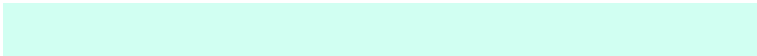
90.8313, 75.0231, 45.3338

Sweetspot

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



50.5071, 75.0261, 70.8522



78.1058, 91.4991, 97.5281



47.9747, 74.7502, 24.2128



16.2113, 19.3312, 20.5000



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.



50.5071, 75.0261, 70.8522



49.4335, 77.3152, 69.2047



47.9040, 60.4811, 98.7752



17.5434, 19.5197, 21.0623



22.5167, 38.0197, 29.1277



2.1309, 3.5395, 2.9372

Inverse Universe

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



48.6810, 31.4322, 29.4906



47.4084, 27.6401, 22.3498



49.4809, 37.2068, 16.8868



17.4471, 17.3062, 18.9442



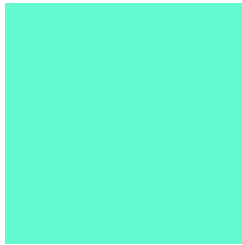
21.5673, 11.0427, 4.4300



2.0409, 1.0401, 0.6388

Previews

White Background



This preview shows how the XYZ color 50.5050, 75.0231, 70.8505 looks on a white background.

Color Contrast Check

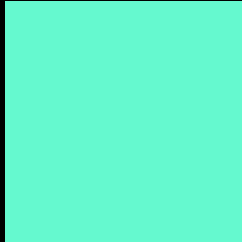
Large Text (above 18pt) WCAG AA × Fail

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 50.5050, 75.0231, 70.8505 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

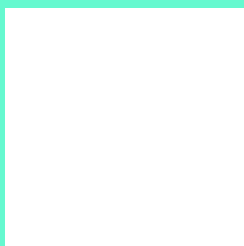
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5050, 75.0231, 70.8505

Background



This preview shows how black text looks on a background with the XYZ color 50.5050, 75.0231, 70.8505.

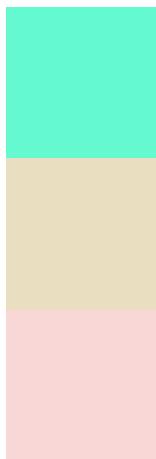


This preview shows how white text looks on a background with the XYZ color 50.5050, 75.0231,

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

50.5050, 75.0231, 70.8505

Protanopia

69.6786, 73.5852, 60.9830

Deuteranopia

75.1494, 73.4124, 73.8275



Tritanopia

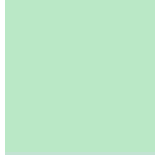
60.3016, 74.3888, 105.7880

Trichromacy



Original Color

50.5050, 75.0231, 70.8505



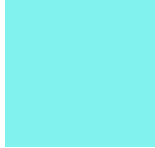
Protanomaly

59.2994, 72.2295, 64.2424



Deuteranomaly

61.7326, 71.2434, 72.1257



Tritanomaly

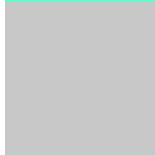
56.2380, 74.3444, 92.2748

Monochromacy



Original Color

50.5050, 75.0231, 70.8505



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.1607, 62.3471, 65.8377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5050, 75.0231, 70.8505 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(101, 249, 207)` looks like.

```
.text, #text, p{  
    color:rgb(101, 249, 207)  
}
```

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(101, 249, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 249, 207) }
```

Border

The CSS property to change the border of an element to XYZ 50.5050, 75.0231, 70.8505 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(101, 249, 207) }
```


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

```
.border{ border-color:rgb(101, 249, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 249, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 249, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 249, 207); box-shadow:4px 4px 4px 4px rgb(101, 249, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5050, 75.0231, 70.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 249, 207) }
```

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

```
.background{ background-color: rgb(101,  
249, 207) }
```

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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