

Converting Colors

XYZ(50.8842, 78.1698, 64.4503)

Have a look what the booklet for
XYZ(50.8842, 78.1698, 64.4503)
contains.

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Color

**XYZ(50.8694, 78.1582,
64.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	63FFC4
RGB	99, 255, 196
RGB Percent	39%, 100%, 77%
CMY	0.6117, 0.0000, 0.2314
CMYK	0.61, 0.00, 0.23, 0.00
HSL	157°, 100%, 69%
HSV	157°, 61%, 100%
XYZ	50.8694, 78.1582, 64.6295
YIQ	201.6300, -74.0370, -51.4210

Conversions

Conversions Part 2

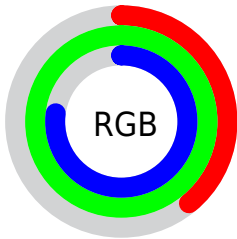
Format	Color
RYB	99, 195, 255
Decimal	6553540
CIELab	90.85, -54.62, 16.15
CIELCh	91, 56.952, 163.531
Yxy	78.1582, 0.2627, 0.4036
Android (android.graphics.Color)	4284743620 (0xFF63FFC4)
YUV	201.6300, -2.7756, -90.0065
Hunter-Lab	88.4071, -52.0037, 18.5414

Details

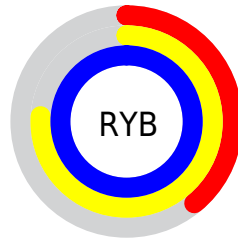
The XYZ color **50.8694, 78.1582, 64.6295** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.8740, 32.6532, 35.9173**, and the grayscale version is **55.9586, 58.8728, 64.1125**.

A 20% lighter version of the original color is **68.3899, 86.2932, 105.9802**, and **24.8487, 41.8855, 32.3662** is the 20% darker color. If you saturate the color by 10%, you get **47.4471, 76.5167, 58.9227**, and if you desaturate by 10%, it is **55.2429, 80.2818, 70.7519**.

Distribution



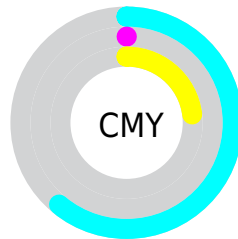
- Red (39%)
- Green (100%)
- Blue (77%)



- Red (39%)
- Yellow (76%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8694, 78.1582, 64.6295 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 50.8694, 78.1582, 64.6295 by changing the saturation by 10% instead.


 50.8694, 78.1582,
64.6295


 50.8694, 78.1582,
64.6295


380.4522,
488.7039, 459.7291


 36.3253, 58.2039,
46.7113


 90.6458, 130.7731,
113.1252

 24.8568, 41.9726,
32.4548


 116.6089,
164.2026, 144.5398

 16.0986, 29.0799,
21.4414


 147.1090,
202.8925, 181.2902

 9.6852, 19.1412,
13.2527

182.5114,
247.2274, 223.7950

 5.2514, 11.7724,
7.4700

223.1816,
297.5916, 272.4727

 2.4318, 6.5889,
3.6749

269.4849,

 0.8610, 3.2063,

354.3695, 327.7420

1.4487

321.7866,
417.9454, 390.0212

0.0000, 1.2404,
0.1793

0.0000, 0.0943,
0.0000

50.8694, 78.1582,
64.6295

50.8694, 78.1582,
64.6295

47.4471, 76.5167,
58.9227

55.2429, 80.2818,
70.7519

44.8864, 75.3114,
53.6164


60.6416, 82.9257,
77.2960


43.0836, 74.4890,
48.7001


67.1343, 86.1251,
84.2729

41.9798, 74.0079,
44.6728

74.7831, 89.9119,
91.6918

 83.6454, 94.3156,
99.5616

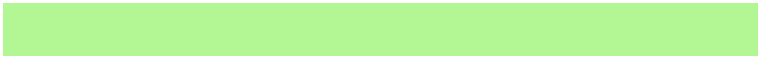
 93.7745, 99.3635,
107.8909

 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.



56.8771, 78.1582, 39.7469



50.8694, 78.1582, 64.6295



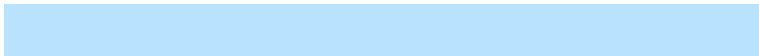
50.5858, 78.1582, 104.9347

Triad

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



50.8694, 78.1582, 64.6295



80.9231, 78.1582, 187.2093



96.1117, 78.1582, 41.4946

Complementary

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



50.8694, 78.1582, 64.6295



51.8740, 32.6532, 35.9173

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.



104.4307, 78.1582, 67.9385



50.8694, 78.1582, 64.6295



94.9301, 78.1582, 156.1049

Square

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



50.8694, 78.1582, 64.6295



66.7449, 78.1582, 185.4430



103.9724, 78.1582, 109.4945



82.3769, 78.1582, 29.6349

Rectangle

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



50.8694, 78.1582, 64.6295



53.6013, 78.1582, 136.5665



103.9724, 78.1582, 109.4945



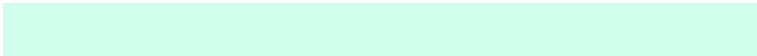
99.7086, 78.1582, 48.5252

Sweetspot

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



50.8701, 78.1585, 64.6308



77.4626, 91.2418, 94.1410



52.2713, 79.7717, 24.4480



16.0535, 19.2681, 19.6692



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.



50.8701, 78.1585, 64.6308



46.9182, 76.2655, 57.9245



53.4225, 70.3258, 105.3663



18.2465, 20.3581, 21.6012



22.0103, 38.7007, 23.7372



2.1962, 3.7894, 2.5912

Inverse Universe

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



51.8740, 32.6532, 35.9173



48.0376, 27.3693, 27.2738



49.8774, 34.9311, 15.9190



18.2936, 18.1007, 20.1631



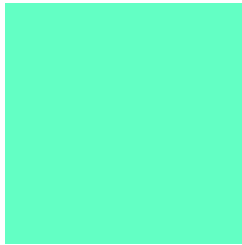
22.7293, 11.5810, 7.2251



2.2642, 1.1480, 0.9724

Previews

White Background



This preview shows how the XYZ color 50.8694, 78.1582, 64.6295 looks on a white background.

Color Contrast Check

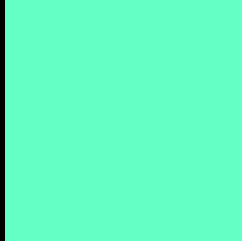
Large Text (above 18pt) WCAG AA × Fail

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 50.8694, 78.1582, 64.6295 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 50.8694, 78.1582, 64.6295

Background



This preview shows how black text looks on a background with the XYZ color 50.8694, 78.1582, 64.6295.

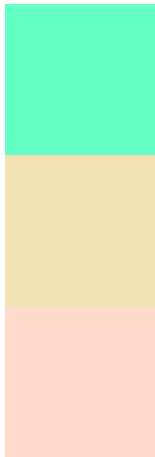


This preview shows how white text looks on a background with the XYZ color 50.8694, 78.1582,

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

50.8694, 78.1582, 64.6295

Protanopia

71.9155, 76.4709, 55.2260

Deuteranopia

77.7121, 76.3793, 69.0393



Tritanopia

64.1104, 77.2216, 106.1340

Trichromacy



Original Color

50.8694, 78.1582, 64.6295



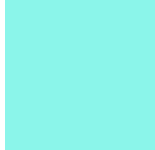
Protanomaly

60.2401, 74.9750, 58.3104



Deuteranomaly

62.8060, 73.9833, 66.8471



Tritanomaly

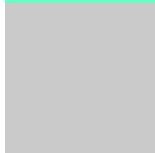
58.1512, 76.7343, 89.5882

Monochromacy



Original Color

50.8694, 78.1582, 64.6295



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.7988, 63.8824, 64.2440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8694, 78.1582, 64.6295 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(99, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 196)  
}
```

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(99, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 50.8694, 78.1582, 64.6295 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(99, 255, 196) }
```


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

```
.border{ border-color:rgb(99, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8694, 78.1582, 64.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 196) }
```

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

```
.background{ background-color: rgb(99, 255,  
196) }
```

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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