

Converting Colors

XYZ(50.4330, 77.8979, 66.2057)

Have a look what the booklet for
XYZ(50.4330, 77.8979, 66.2057)
contains.

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Color

**XYZ(50.4824, 77.9188,
66.4120)**

Conversions

Conversions Part 1

Format	Color
Hex	5CFFC7
RGB	92, 255, 199
RGB Percent	36%, 100%, 78%
CMY	0.6392, 0.0000, 0.2196
CMYK	0.64, 0.00, 0.22, 0.00
HSL	159°, 100%, 68%
HSV	159°, 64%, 100%
XYZ	50.4824, 77.9188, 66.4120
YIQ	199.8790, -79.1720, -51.9720

Conversions

Conversions Part 2

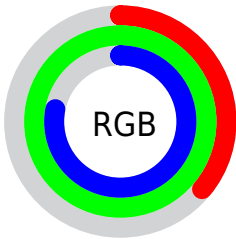
Format	Color
R _Y B	92, 190, 255
Decimal	6094791
CIE Lab	90.74, -55.18, 14.43
CIE LCh	91, 57.032, 165.348
Yxy	77.9188, 0.2591, 0.4000
Android (android.graphics.Color)	4284284871 (0xFF5CFFC7)
YUV	199.8790, -0.4333, -94.6099
Hunter-Lab	88.2716, -52.3915, 17.1827

Details

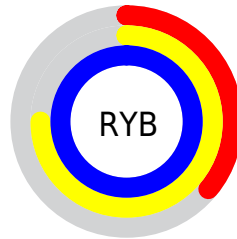
The XYZ color **50.4824, 77.9188, 66.4120** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **50.4131, 31.0533, 31.3548**, and the grayscale version is **54.8631, 57.7203, 62.8574**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **25.0771, 41.9768, 33.5687** is the 20% darker color. If you saturate the color by 10%, you get **47.3616, 76.4241, 61.1089**, and if you desaturate by 10%, it is **54.5201, 79.8794, 72.0664**.

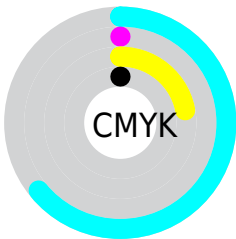
Distribution



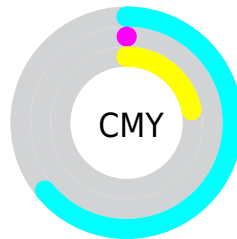
- Red (36%)
- Green (100%)
- Blue (78%)



- Red (36%)
- Yellow (75%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4824, 77.9188, 66.4120 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 50.4824, 77.9188, 66.4120 by changing the saturation by 10% instead.


 50.4824, 77.9188,
66.4120


 50.4824, 77.9188,
66.4120


378.9703,
487.8910, 466.2933


 36.0162, 58.0073,
48.1483


 90.0768, 130.4356,
115.7101


 24.6169, 41.8145,
33.5835


 115.9357,
163.8098, 147.5816

 15.9191, 28.9561,
22.2991


 146.3228,
202.4402, 184.8262

 9.5574, 19.0476,
13.8764

 181.6036,
246.7114, 227.8623

 5.1665, 11.7047,
7.8970

222.1434,
297.0076, 277.1085

 2.3810, 6.5429,
3.9423

268.3076,

 0.8357, 3.1779,

353.7134, 332.9834

1.5937

320.4614,
417.2131, 395.9055

0.0000, 1.2253,
0.2863

0.0000, 0.0822,
0.0000

50.4824, 77.9188,
66.4120

50.4824, 77.9188,
66.4120

47.3616, 76.4241,
61.1089

54.5201, 79.8794,
72.0664

45.0646, 75.3475,
56.1436

59.5510, 82.3451,
78.0767

43.4811, 74.6322,
51.5072

65.6455, 85.3521,
84.4523

42.7715, 74.3246,
48.8421

72.8671, 88.9331,
91.2009

■ 81.2738, 93.1178,
98.3300

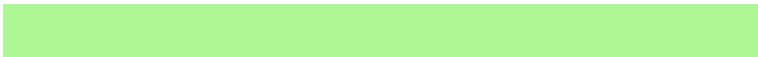
■ 90.9198, 97.9341,
105.8465

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.



56.1445, 77.9188, 40.6040



50.4824, 77.9188, 66.4120



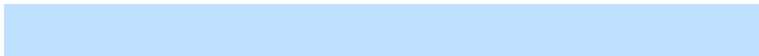
50.5494, 77.9188, 107.4752

Triad

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



50.4824, 77.9188, 66.4120



81.5905, 77.9188, 185.8952



95.1501, 77.9188, 40.1914

Complementary

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



50.4824, 77.9188, 66.4120



50.4131, 31.0533, 31.3548

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.



103.9189, 77.9188, 65.6300



50.4824, 77.9188, 66.4120



95.4296, 77.9188, 153.2222

Square

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



50.4824, 77.9188, 66.4120



67.3092, 77.9188, 186.3134



104.0273, 77.9188, 106.3966



81.2467, 77.9188, 29.1237

Rectangle

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



50.4824, 77.9188, 66.4120



53.7906, 77.9188, 139.1412



104.0273, 77.9188, 106.3966



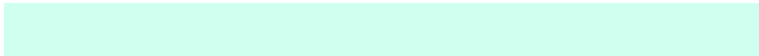
98.8707, 77.9188, 46.9012

Sweetspot

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



50.4832, 77.9192, 66.4134



76.8514, 90.9146, 94.6602



50.0961, 78.6873, 22.6741



15.9460, 19.2090, 19.8283



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.



50.4832, 77.9192, 66.4134



46.5709, 76.0503, 59.5437



50.9144, 66.3962, 104.7400



18.2742, 20.3692, 21.7467



22.4220, 38.8654, 25.9051



2.2345, 3.8047, 2.7929

Inverse Universe

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



50.4131, 31.0533, 31.3548



46.5588, 25.8612, 22.3127



49.4698, 34.6285, 14.2029



18.2669, 18.0901, 20.0228



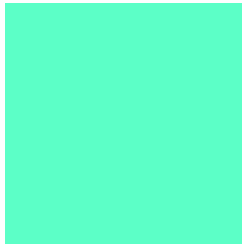
22.5235, 11.4987, 6.1411



2.2420, 1.1392, 0.8558

Previews

White Background



This preview shows how the XYZ color 50.4824, 77.9188, 66.4120 looks on a white background.

Color Contrast Check

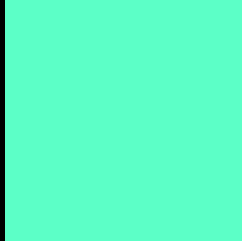
Large Text (above 18pt) WCAG AA × Fail

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 50.4824, 77.9188, 66.4120 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 50.4824, 77.9188, 66.4120

Background



This preview shows how black text looks on a background with the XYZ color 50.4824, 77.9188, 66.4120.

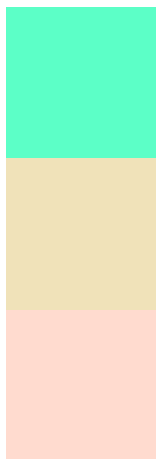


This preview shows how white text looks on a background with the XYZ color 50.4824, 77.9188,

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

50.4824, 77.9188, 66.4120

Protanopia

71.8885, 76.4208, 56.8607

Deuteranopia

77.8340, 76.4280, 69.6813



Tritanopia

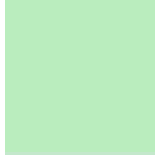
63.7073, 77.0138, 106.1152

Trichromacy



Original Color

50.4824, 77.9188, 66.4120



Protanomaly

59.8282, 74.7252, 59.9853



Deuteranomaly

62.5206, 73.8086, 68.0780



Tritanomaly

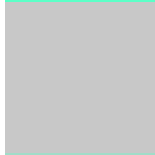
57.6395, 76.4539, 90.3164

Monochromacy



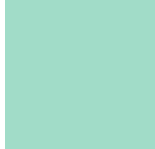
Original Color

50.4824, 77.9188, 66.4120



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.7165, 62.9336, 64.1179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4824, 77.9188, 66.4120 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(92, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 199)  
}
```

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(92, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 50.4824, 77.9188, 66.4120 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(92, 255, 199) }
```


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

```
.border{ border-color:rgb(92, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(92, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4824, 77.9188, 66.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 199) }
```

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

```
.background{ background-color: rgb(92, 255,  
199) }
```

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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