

Converting Colors

XYZ(51.1167, 78.4833, 63.3921)

Have a look what the booklet for
XYZ(51.1167, 78.4833, 63.3921)
contains.

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Color

**XYZ(50.9771, 78.2398,
63.4540)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFC2
RGB	102, 255, 194
RGB Percent	40%, 100%, 76%
CMY	0.6000, 0.0000, 0.2392
CMYK	0.60, 0.00, 0.24, 0.00
HSL	156°, 100%, 70%
HSV	156°, 60%, 100%
XYZ	50.9771, 78.2398, 63.4540
YIQ	202.2990, -71.6070, -51.4070

Conversions

Conversions Part 2

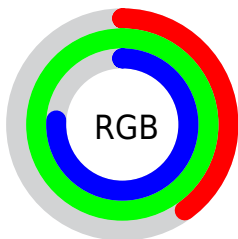
Format	Color
RYB	102, 198, 255
Decimal	6750146
CIELab	90.89, -54.49, 17.24
CIElCh	91, 57.151, 162.448
Yxy	78.2398, 0.2646, 0.4061
Android (android.graphics.Color)	4284940226 (0xFF66FFC2)
YUV	202.2990, -4.0914, -87.9622
Hunter-Lab	88.4533, -51.9207, 19.3842

Details

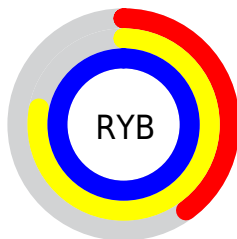
The XYZ color **50.9771, 78.2398, 63.4540** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.6028, 33.4080, 38.3272**, and the grayscale version is **56.3828, 59.3191, 64.5985**.

A 20% lighter version of the original color is **68.6896, 86.4844, 104.3396**, and **24.8515, 41.9041, 31.5894** is the 20% darker color. If you saturate the color by 10%, you get **47.4152, 76.5310, 57.5301**, and if you desaturate by 10%, it is **55.5071, 80.4386, 69.8337**.

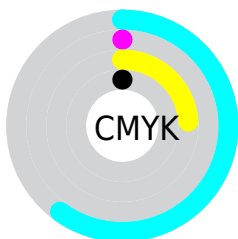
Distribution



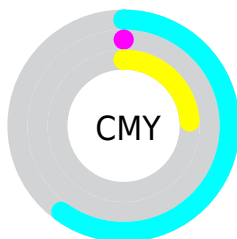
- Red (40%)
- Green (100%)
- Blue (76%)



- Red (40%)
- Yellow (78%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9771, 78.2398, 63.4540 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 50.9771, 78.2398, 63.4540 by changing the saturation by 10% instead.


 50.9771, 78.2398,
63.4540


 50.9771, 78.2398,
63.4540

380.8639,
488.9808, 455.3685


 36.4114, 58.2710,
45.7652


 90.8041, 130.8881,
111.4161

 24.9236, 42.0265,
31.7133


 116.7961,
164.3364, 142.5266

 16.1486, 29.1221,
20.8796


 147.3275,
203.0466, 178.9480

 9.7209, 19.1732,
12.8456

182.7638,
247.4032, 221.0989

 5.2751, 11.7955,
7.1929

223.4702,
297.7905, 269.3979

 2.4460, 6.6046,
3.5027

269.8121,

 0.8681, 3.2161,

354.5930, 324.2634

1.3567

322.1549,
418.1949, 386.1141

0.0000, 1.2455,
0.1076

0.0000, 0.0984,
0.0000

50.9771, 78.2398,
63.4540

50.9771, 78.2398,
63.4540

47.4152, 76.5310,
57.5301

55.5071, 80.4386,
69.8337

44.7332, 75.2670,
52.0458

61.0782, 83.1649,
76.6764

42.8294, 74.3955,
46.9893

67.7588, 86.4538,
83.9945

41.5376, 73.8311,
42.3443

75.6106, 90.3370,
91.7981

■ 41.5374, 73.8310,
42.3435

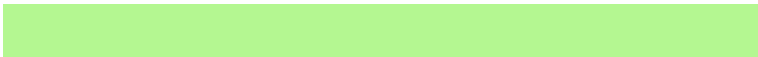
■ 84.6905, 94.8436,
100.0973

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.



57.2074, 78.2398, 39.0698



50.9771, 78.2398, 63.4540



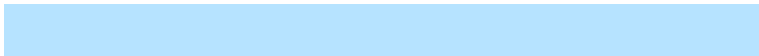
50.4827, 78.2398, 103.4402

Triad

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



50.9771, 78.2398, 63.4540



80.4904, 78.2398, 188.3828



96.7108, 78.2398, 42.1140

Complementary

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



50.9771, 78.2398, 63.4540



52.6028, 33.4080, 38.3272

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.



104.7929, 78.2398, 69.2233



50.9771, 78.2398, 63.4540



94.6491, 78.2398, 158.0744

Square

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



50.9771, 78.2398, 63.4540



66.3272, 78.2398, 185.2987



103.9931, 78.2398, 111.3963



83.0264, 78.2398, 29.7655

Rectangle

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



50.9771, 78.2398, 63.4540



53.3707, 78.2398, 135.1794



103.9931, 78.2398, 111.3963



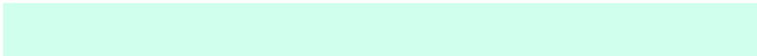
100.2476, 78.2398, 49.3501

Sweetspot

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



50.9778, 78.2402, 63.4553



77.3251, 91.1868, 93.4166



53.3043, 80.2873, 25.2591



16.0199, 19.2546, 19.4920



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.



50.9778, 78.2402, 63.4553



46.8109, 76.2439, 56.3974



54.6019, 72.1890, 105.6638



18.2302, 20.3516, 21.5154



21.7799, 38.6086, 22.5242



2.1746, 3.7808, 2.4772

Inverse Universe

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



52.6028, 33.4080, 38.3272



48.5987, 27.8495, 29.4404



50.0352, 35.0129, 16.6925



18.3094, 18.1071, 20.2463



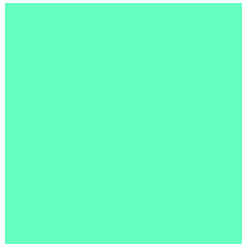
22.8620, 11.6341, 7.9236



2.2781, 1.1536, 1.0460

Previews

White Background



This preview shows how the XYZ color 50.9771, 78.2398, 63.4540 looks on a white background.

Color Contrast Check

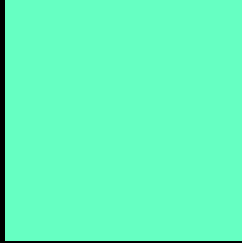
Large Text (above 18pt) WCAG AA × Fail

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 50.9771, 78.2398, 63.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

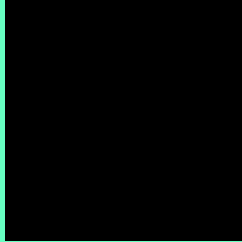
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9771, 78.2398, 63.4540

Background



This preview shows how black text looks on a background with the XYZ color 50.9771, 78.2398, 63.4540.

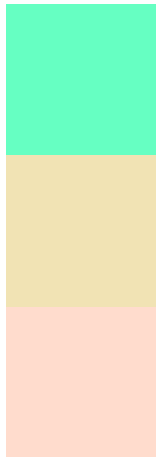


This preview shows how white text looks on a background with the XYZ color 50.9771, 78.2398,

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

50.9771, 78.2398, 63.4540

Protanopia

71.9829, 76.9342, 54.2359

Deuteranopia

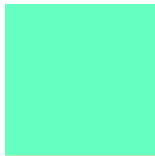
77.8526, 76.8542, 68.4887



Tritanopia

64.3143, 77.3267, 106.1436

Trichromacy



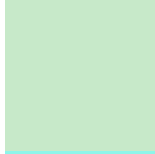
Original Color

50.9771, 78.2398, 63.4540



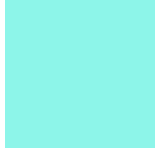
Protanomaly

60.2763, 75.0183, 57.2020



Deuteranomaly

63.2347, 74.6370, 66.3319



Tritanomaly

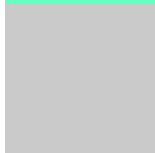
58.3449, 76.8507, 88.8494

Monochromacy



Original Color

50.9771, 78.2398, 63.4540



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.8911, 63.9434, 63.6402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9771, 78.2398, 63.4540 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, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 194)  
}
```

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, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 50.9771, 78.2398, 63.4540 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, 255, 194) }
```


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

```
.border{ border-color:rgb(102, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9771, 78.2398, 63.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 194) }
```

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

```
.background{ background-color: rgb(102,  
255, 194) }
```

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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