

Converting Colors

XYZ(50.3598, 77.9929, 60.2032)

Have a look what the booklet for
XYZ(50.3598, 77.9929, 60.2032)
contains.

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Color

**XYZ(50.3166, 77.9756,
59.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFBC
RGB	102, 255, 188
RGB Percent	40%, 100%, 74%
CMY	0.6000, 0.0000, 0.2627
CMYK	0.60, 0.00, 0.26, 0.00
HSL	154°, 100%, 70%
HSV	154°, 60%, 100%
XYZ	50.3166, 77.9756, 59.9758
YIQ	201.6150, -69.6810, -53.2730

Conversions

Conversions Part 2

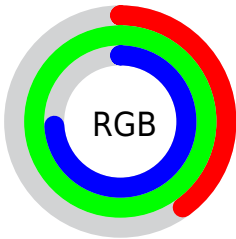
Format	Color
RYB	102, 200, 255
Decimal	6750140
CIELab	90.77, -55.73, 20.14
CIELCh	91, 59.259, 160.134
Yxy	77.9756, 0.2673, 0.4142
Android (android.graphics.Color)	4284940220 (0xFF66FFBC)
YUV	201.6150, -6.7122, -87.3624
Hunter-Lab	88.3038, -52.8201, 21.5430

Details

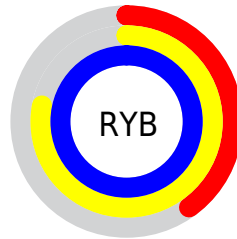
The XYZ color **50.3166, 77.9756, 59.9758** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.1534, 33.6282, 41.2264**, and the grayscale version is **55.9710, 58.8858, 64.1267**.

A 20% lighter version of the original color is **67.6062, 86.0510, 98.6342**, and **24.4910, 41.7599, 29.6913** is the 20% darker color. If you saturate the color by 10%, you get **46.7001, 76.2450, 53.7646**, and if you desaturate by 10%, it is **54.9161, 80.2022, 66.7219**.

Distribution



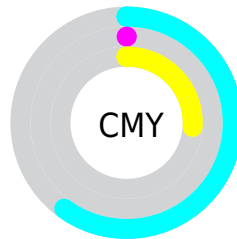
- Red (40%)
- Green (100%)
- Blue (74%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3166, 77.9756, 59.9758 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 50.3166, 77.9756, 59.9758 by changing the saturation by 10% instead.


 50.3166, 77.9756,
59.9758


 50.3166, 77.9756,
59.9758


378.3343,
488.0840, 442.3107


 35.8839, 58.0539,
42.9740


 89.8328, 130.5157,
106.3376

 24.5142, 41.8520,
29.5334


 115.6470,
163.9030, 136.5346

 15.8423, 28.9854,
19.2357


 145.9857,
202.5475, 171.9671

 9.5028, 19.0698,
11.6622

181.2142,
246.8338, 213.0537

 5.1303, 11.7207,
6.3943

221.6980,
297.1462, 260.2127

 2.3594, 6.5538,
3.0137

267.8024,

 0.8248, 3.1847,

353.8691, 313.8629

1.1016

319.8927,
417.3869, 374.4227

■ 0.0000, 1.2289,
0.0000

■ 0.0000, 0.0851,
0.0000

■ 50.3166, 77.9756,
59.9758

■ 50.3166, 77.9756,
59.9758

■ 46.7001, 76.2450,
53.7646

■ 54.9161, 80.2022,
66.7219

■ 43.9781, 74.9650,
48.0693

■ 60.5723, 82.9626,
74.0130

■ 42.0481, 74.0830,
42.8751

■ 67.3541, 86.2920,
81.8639

■ 40.7435, 73.5134,
38.1624

■ 75.3236, 90.2222,
90.2875

■ 40.7433, 73.5133,
38.1617

■ 84.5383, 94.7827,
99.2961

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.



57.1487, 77.9756, 36.3774



50.3166, 77.9756, 59.9758



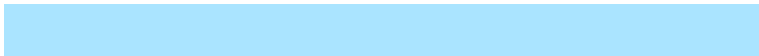
49.3518, 77.9756, 100.1615

Triad

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



50.3166, 77.9756, 59.9758



79.2659, 77.9756, 193.8963



98.2277, 77.9756, 42.2590

Complementary

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



50.3166, 77.9756, 59.9758



53.1534, 33.6282, 41.2264

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.



106.0200, 77.9756, 71.2771



50.3166, 77.9756, 59.9758



94.1416, 77.9756, 164.2837

Square

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



50.3166, 77.9756, 59.9758



64.8039, 77.9756, 187.7194



104.4320, 77.9756, 115.9247



84.2745, 77.9756, 28.7787

Rectangle

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



50.3166, 77.9756, 59.9758



52.0079, 77.9756, 133.0755



104.4320, 77.9756, 115.9247



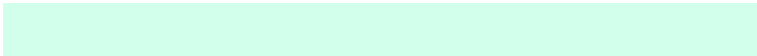
101.7339, 77.9756, 50.0333

Sweetspot

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



50.3173, 77.9760, 59.9771



77.0638, 91.0823, 92.0406



54.9209, 81.1207, 25.3347



15.9560, 19.2291, 19.1557



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.



50.3173, 77.9760, 59.9771



46.0867, 75.9542, 52.5837



56.8979, 76.7809, 106.4291



18.1992, 20.3392, 21.3520



21.3656, 38.4428, 20.3426



2.1352, 3.7650, 2.2700

Inverse Universe

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



53.1534, 33.6282, 41.2264



49.1698, 28.0780, 32.4477



49.1771, 33.2967, 16.4064



18.3398, 18.1192, 20.4063



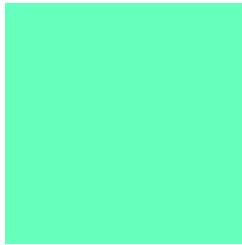
23.1392, 11.7450, 9.3836



2.3067, 1.1651, 1.1967

Previews

White Background



This preview shows how the XYZ color 50.3166, 77.9756, 59.9758 looks on a white background.

Color Contrast Check

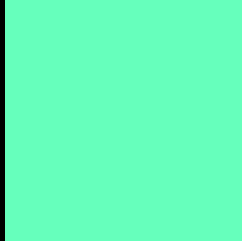
Large Text (above 18pt) WCAG AA × Fail

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 50.3166, 77.9756, 59.9758 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 50.3166, 77.9756, 59.9758

Background



This preview shows how black text looks on a background with the XYZ color 50.3166, 77.9756, 59.9758.



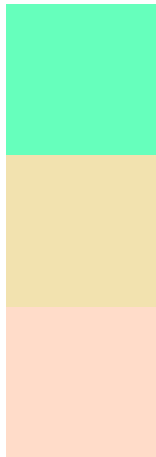
This preview shows how white text looks on a background with the XYZ color 50.3166, 77.9756, 59.9758.

59.9758.

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

50.3166, 77.9756, 59.9758

Protanopia

71.5522, 76.3651, 51.5262

Deuteranopia

77.3758, 76.6634, 65.9777



Tritanopia

64.1104, 77.2216, 106.1340

Trichromacy



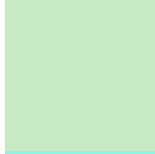
Original Color

50.3166, 77.9756, 59.9758



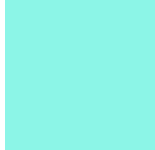
Protanomaly

60.0083, 74.9400, 54.4821



Deuteranomaly

62.6559, 74.4055, 63.2839



Tritanomaly

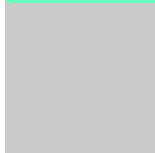
57.8914, 76.6498, 87.3450

Monochromacy



Original Color

50.3166, 77.9756, 59.9758



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.6604, 63.8511, 62.4250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3166, 77.9756, 59.9758 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 50.3166, 77.9756, 59.9758 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, 188) }
```


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

```
.border{ border-color:rgb(102, 255, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3166, 77.9756, 59.9758 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, 188) }
```

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

```
.background{ background-color: rgb(102,  
255, 188) }
```

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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