

Converting Colors

XYZ(49.5968, 77.6877, 56.1856)

Have a look what the booklet for
XYZ(49.5968, 77.6877, 56.1856)
contains.

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Color

**XYZ(49.5800, 77.6810,
56.0969)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFB5
RGB	102, 255, 181
RGB Percent	40%, 100%, 71%
CMY	0.6000, 0.0000, 0.2902
CMYK	0.60, 0.00, 0.29, 0.00
HSL	151°, 100%, 70%
HSV	151°, 60%, 100%
XYZ	49.5800, 77.6810, 56.0969
YIQ	200.8170, -67.4340, -55.4500

Conversions

Conversions Part 2

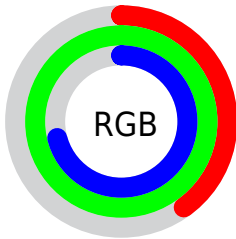
Format	Color
RYB	102, 203, 255
Decimal	6750133
CIELab	90.63, -57.14, 23.52
CIELCh	91, 61.787, 157.626
Yxy	77.6810, 0.2704, 0.4237
Android (android.graphics.Color)	4284940213 (0xFF66FFB5)
YUV	200.8170, -9.7698, -86.6625
Hunter-Lab	88.1368, -53.8270, 23.9592

Details

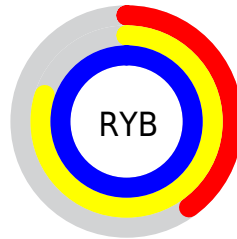
The XYZ color **49.5800, 77.6810, 56.0969** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.8283, 33.8981, 44.7808**, and the grayscale version is **55.4927, 58.3826, 63.5787**.

A 20% lighter version of the original color is **66.5631, 85.6338, 93.1415**, and **24.0285, 41.5766, 27.1807** is the 20% darker color. If you saturate the color by 10%, you get **45.9111, 75.9294, 49.6096**, and if you desaturate by 10%, it is **54.2507, 79.9360, 63.2185**.

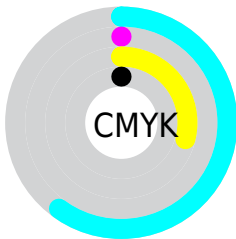
Distribution



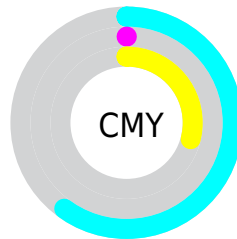
- Red (40%)
- Green (100%)
- Blue (71%)



- Red (40%)
- Yellow (80%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5800, 77.6810, 56.0969 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 49.5800, 77.6810, 56.0969 by changing the saturation by 10% instead.


 49.5800, 77.6810,
56.0969


 49.5800, 77.6810,
56.0969


375.5004,
487.0828, 427.4551


 35.2962, 57.8120,
39.8761


 88.7478, 130.1003,
100.6334

 24.0587, 41.6575,
27.1289


 114.3626,
163.4194, 129.7863

 15.5022, 28.8332,
17.4368

 144.4850,
201.9907, 164.0869

 9.2612, 18.9547,
10.3811

179.4806,
246.1984, 203.9538

 4.9704, 11.6375,
5.5435

219.7145,
296.4271, 249.8055

 2.2645, 6.4974,
2.5053

265.5522,

 0.7764, 3.1498,

353.0612, 302.0606

0.8430

317.3591,
416.4849, 361.1376

0.0000, 1.2104,
0.0000

0.0000, 0.0702,
0.0000

49.5800, 77.6810,
56.0969

49.5800, 77.6810,
56.0969

45.9111, 75.9294,
49.6096

54.2507, 79.9360,
63.2185

43.1547, 74.6356,
43.7335

59.9979, 82.7328,
70.9886

41.2077, 73.7468,
38.4494

66.8910, 86.1067,
79.4258

39.9023, 73.1769,
33.7330

74.9929, 90.0899,
88.5466

■ 39.9022, 73.1769,
33.7323

■ 84.3616, 94.7120,
98.3667

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.



57.1061, 77.6810, 33.4241



49.5800, 77.6810, 56.0969



48.0785, 77.6810, 96.4109

Triad

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



49.5800, 77.6810, 56.0969



77.8560, 77.6810, 200.3829



100.0161, 77.6810, 42.4708

Complementary

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



49.5800, 77.6810, 56.0969



53.8283, 33.8981, 44.7808

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.



107.4528, 77.6810, 73.7615



49.5800, 77.6810, 56.0969



93.5446, 77.6810, 171.6926

Square

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



49.5800, 77.6810, 56.0969



63.0695, 77.6810, 190.4828



104.9324, 77.6810, 121.3706



85.7573, 77.6810, 27.6927

Rectangle

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



49.5800, 77.6810, 56.0969



50.4696, 77.6810, 130.6065



104.9324, 77.6810, 121.3706



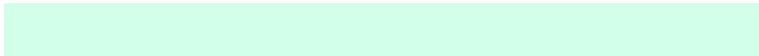
103.4814, 77.6810, 50.8808

Sweetspot

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



49.5806, 77.6813, 56.0982



76.7623, 90.9617, 90.4528



56.6339, 82.0038, 25.4147



15.8825, 19.1997, 18.7686



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.



49.5806, 77.6813, 56.0982



45.2894, 75.6353, 48.3852



59.2899, 81.5650, 107.2265



18.1632, 20.3248, 21.1623



20.9256, 38.2668, 18.0254



2.0927, 3.7480, 2.0459

Inverse Universe

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



53.8283, 33.8981, 44.7808



49.8814, 28.3626, 36.1946



48.3902, 31.7228, 16.1440



18.3754, 18.1335, 20.5940



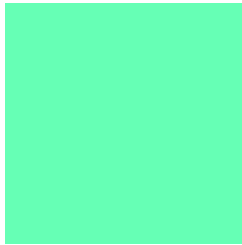
23.5024, 11.8903, 11.2963



2.3433, 1.1797, 1.3890

Previews

White Background



This preview shows how the XYZ color 49.5800, 77.6810, 56.0969 looks on a white background.

Color Contrast Check

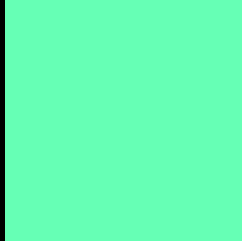
Large Text (above 18pt) WCAG AA × Fail

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 49.5800, 77.6810, 56.0969 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 49.5800, 77.6810, 56.0969

Background



This preview shows how black text looks on a background with the XYZ color 49.5800, 77.6810, 56.0969.

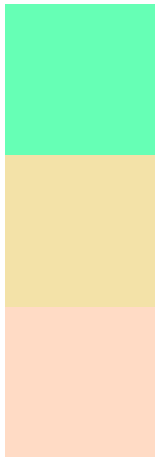


This preview shows how white text looks on a background with the XYZ color 49.5800, 77.6810,

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

49.5800, 77.6810, 56.0969

Protanopia

71.2264, 76.2746, 48.0142

Deuteranopia

76.6496, 75.9543, 63.4441



Tritanopia

63.9080, 77.1172, 106.1245

Trichromacy



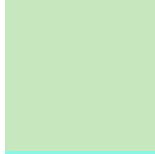
Original Color

49.5800, 77.6810, 56.0969



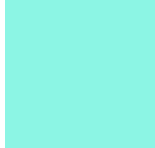
Protanomaly

59.5652, 74.7920, 50.8320



Deuteranomaly

61.8138, 73.6169, 60.2418



Tritanomaly

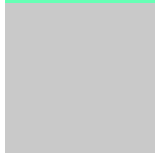
57.4712, 76.4817, 85.1322

Monochromacy



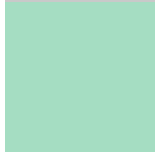
Original Color

49.5800, 77.6810, 56.0969



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.1111, 63.6073, 60.6225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5800, 77.6810, 56.0969 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.5800, 77.6810, 56.0969 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, 181) }
```


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

```
.border{ border-color:rgb(102, 255, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5800, 77.6810, 56.0969 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, 181) }
```

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

```
.background{ background-color: rgb(102,  
255, 181) }
```

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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