

Converting Colors

XYZ(48.4955, 76.9631, 63.2206)

Have a look what the booklet for
XYZ(48.4955, 76.9631, 63.2206)
contains.

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Color

**XYZ(48.5582, 76.9928,
63.3408)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFC2
RGB	77, 255, 194
RGB Percent	30%, 100%, 76%
CMY	0.6980, 0.0000, 0.2392
CMYK	0.70, 0.00, 0.24, 0.00
HSL	159°, 100%, 65%
HSV	159°, 70%, 100%
XYZ	48.5582, 76.9928, 63.3408
YIQ	194.8240, -86.5070, -56.7070

Conversions

Conversions Part 2

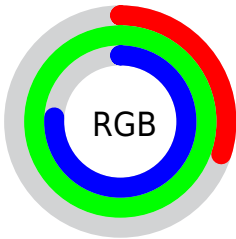
Format	Color
RYB	77, 184, 255
Decimal	5111746
CIELab	90.32, -58.56, 16.35
CIELCh	90, 60.799, 164.399
Yxy	76.9928, 0.2571, 0.4076
Android (android.graphics.Color)	4283301826 (0xFF4DFFC2)
YUV	194.8240, -0.4062, -103.3316
Hunter-Lab	87.7455, -54.7732, 18.6223

Details

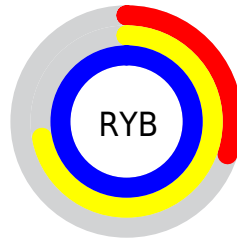
The XYZ color **48.5582, 76.9928, 63.3408** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **48.4821, 28.4038, 26.9736**, and the grayscale version is **51.8069, 54.5049, 59.3559**.

A 20% lighter version of the original color is **65.0266, 84.5960, 104.1682**, and **24.6999, 41.8260, 31.5823** is the 20% darker color. If you saturate the color by 10%, you get **45.9357, 75.7510, 58.2453**, and if you desaturate by 10%, it is **52.0457, 78.6739, 68.7808**.

Distribution



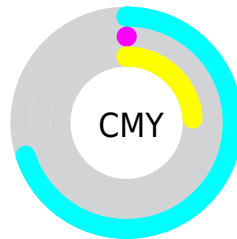
- Red (30%)
- Green (100%)
- Blue (76%)



- Red (30%)
- Yellow (72%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5582, 76.9928, 63.3408 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 48.5582, 76.9928, 63.3408 by changing the saturation by 10% instead.


 48.5582, 76.9928,
63.3408


 48.5582, 76.9928,
63.3408


371.5463,
484.7395, 454.9472


 34.4822, 57.2470,
45.6742


 87.2396, 129.1293,
111.2514


 23.4290, 41.2036,
31.6420


 112.5758,
162.2888, 142.3324

 15.0330, 28.4782,
20.8256


 142.3960,
200.6883, 178.7220

 8.9290, 18.6864,
12.8066

 177.0657,
244.7121, 220.8387

 4.7516, 11.4439,
7.1664

216.9503,
294.7448, 269.1010

 2.1355, 6.3663,
3.4863

262.4150,

 0.7084, 3.0690,

351.1706, 323.9275

1.3480

313.8252,
414.3741, 385.7367

■ 0.0000, 1.1679,
0.1007

■ 0.0000, 0.0352,
0.0000

■ 48.5582, 76.9928,
63.3408

■ 48.5582, 76.9928,
63.3408

■ 45.9357, 75.7510,
58.2453

■ 52.0457, 78.6739,
68.7808

■ 44.0747, 74.8951,
53.4803

■ 56.4812, 80.8370,
74.5701

■ 42.8143, 74.3425,
49.0343

■ 61.9399, 83.5206,
80.7185

■ 42.7918, 74.3327,
48.9491

■ 68.4888, 86.7593,
87.2340

■ 76.1889, 90.5843,
94.1240

■ 85.0966, 95.0246,
101.3957

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.



54.6341, 76.9928, 37.2414



48.5582, 76.9928, 63.3408



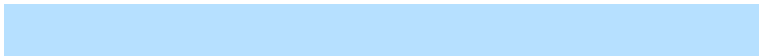
48.4381, 76.9928, 106.3339

Triad

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



48.5582, 76.9928, 63.3408



80.6641, 76.9928, 193.3621



96.0243, 76.9928, 37.9659

Complementary

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



48.5582, 76.9928, 63.3408



48.4821, 28.4038, 26.9736

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.



105.1710, 76.9928, 64.7522



48.5582, 76.9928, 63.3408



95.5078, 76.9928, 158.6694

Square

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



48.5582, 76.9928, 63.3408



65.6226, 76.9928, 192.5731



104.9699, 76.9928, 108.3252



81.2950, 76.9928, 26.4227

Rectangle

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



48.5582, 76.9928, 63.3408



51.6816, 76.9928, 140.3405



104.9699, 76.9928, 108.3252



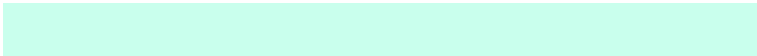
99.9387, 76.9928, 44.9850

Sweetspot

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



48.5590, 76.9932, 63.3421



75.2033, 90.0939, 93.2781



47.7981, 77.5711, 19.4759



15.6247, 19.0491, 19.5527



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.



48.5590, 76.9932, 63.3421



45.0681, 75.3480, 56.2048



48.9374, 64.4506, 104.4687



18.2748, 20.3695, 21.7503



22.4325, 38.8696, 25.9607



2.2355, 3.8051, 2.7980

Inverse Universe

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



48.4821, 28.4038, 26.9736



45.0750, 24.0517, 18.2477



47.5005, 31.6374, 10.6255



18.2663, 18.0898, 20.0193



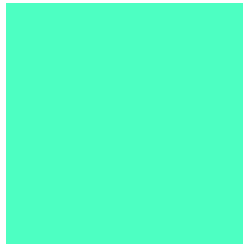
22.5187, 11.4968, 6.1158



2.2415, 1.1390, 0.8530

Previews

White Background



This preview shows how the XYZ color 48.5582, 76.9928, 63.3408 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 48.5582, 76.9928, 63.3408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

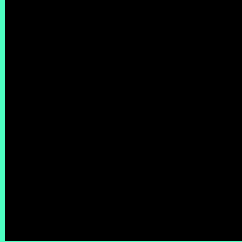
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5582, 76.9928, 63.3408

Background



This preview shows how black text looks on a background with the XYZ color 48.5582, 76.9928, 63.3408.

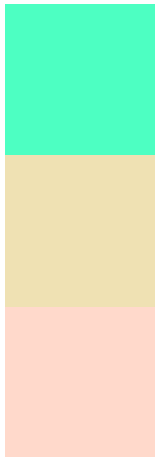


This preview shows how white text looks on a background with the XYZ color 48.5582, 76.9928, 63.3408.

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

48.5582, 76.9928, 63.3408

Protanopia

70.6585, 75.4558, 53.4882

Deuteranopia

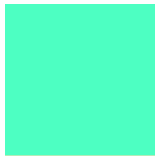
76.8323, 75.1975, 66.9650



Tritanopia

62.1590, 76.2156, 106.0427

Trichromacy



Original Color

48.5582, 76.9928, 63.3408



Protanomaly

57.4696, 73.1549, 56.4387



Deuteranomaly

60.2364, 72.2691, 65.4181



Tritanomaly

55.8178, 75.5480, 88.7311

Monochromacy



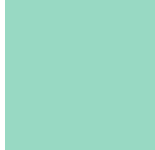
Original Color

48.5582, 76.9928, 63.3408



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

47.6121, 60.2412, 60.7481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5582, 76.9928, 63.3408 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(77, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 48.5582, 76.9928, 63.3408 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(77, 255, 194) }
```


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

```
.border{ border-color:rgb(77, 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(77, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5582, 76.9928, 63.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 194) }
```

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

```
.background{ background-color: rgb(77, 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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