

Converting Colors

XYZ(46.5009, 52.7213, 70.1446)

Have a look what the booklet for
XYZ(46.5009, 52.7213, 70.1446)
contains.

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Color

**XYZ(46.3758, 52.5126,
69.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	9FC6D4
RGB	159, 198, 212
RGB Percent	62%, 78%, 83%
CMY	0.3765, 0.2235, 0.1686
CMYK	0.25, 0.07, 0.00, 0.17
HSL	196°, 38%, 73%
HSV	196°, 25%, 83%
XYZ	46.3758, 52.5126, 69.9790
YIQ	187.9350, -27.7380, -3.9140

Conversions

Conversions Part 2

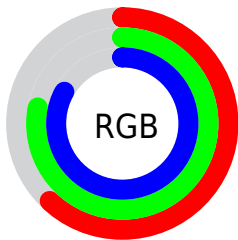
Format	Color
RYB	159, 181, 212
Decimal	10471124
CIELab	77.59, -9.76, -11.24
CIELCh	78, 14.887, 229.034
Yxy	52.5126, 0.2746, 0.3110
Android (android.graphics.Color)	4288661204 (0xFF9FC6D4)
YUV	187.9350, 11.8640, -25.3760
Hunter-Lab	72.4656, -12.5801, -6.5296

Details

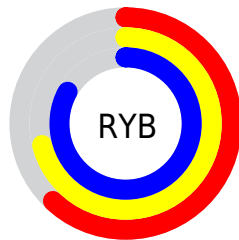
The XYZ color **46.3758, 52.5126, 69.9790** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3534, 46.3875, 39.2071**, and the grayscale version is **47.7104, 50.1950, 54.6624**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **22.0029, 25.4450, 35.6500** is the 20% darker color. If you saturate the color by 10%, you get **41.2711, 48.0173, 69.3812**, and if you desaturate by 10%, it is **52.2520, 57.4784, 70.6287**.

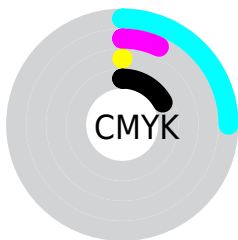
Distribution



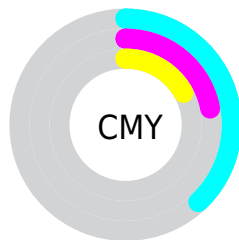
- Red (62%)
- Green (78%)
- Blue (83%)



- Red (62%)
- Yellow (71%)
- Blue (83%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3758, 52.5126, 69.9790 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 46.3758, 52.5126, 69.9790 by changing the saturation by 10% instead.

■ 46.3758, 52.5126,
69.9790

■ 46.3758, 52.5126,
69.9790

363.0081,
396.4123, 479.2634

■ 32.7483, 37.4138,
51.0327

■ 84.0056, 93.8868,
120.8596

■ 22.0920, 25.5281,
35.8577

■ 108.7386,
120.9310, 153.6311

■ 14.0415, 16.4709,
24.0355

137.9042,
152.7257, 191.8480

■ 8.2315, 9.8580,
15.1475

171.8677,
189.6555, 235.9289

■ 4.2965, 5.3049,
8.7752

210.9945,
232.1047, 286.2924

■ 1.8712, 2.4272,
4.5001

255.6499,

■ 0.5600, 0.8399,

280.4576, 343.3569

1.9035

306.1993,
335.0987, 407.5411

■ 0.0000, 0.0000,
0.4950

■ 0.0000, 0.0000,
0.0000

■ 46.3758, 52.5126,
69.9790

■ 46.3758, 52.5126,
69.9790

■ 41.2711, 48.0173,
69.3812

■ 52.2520, 57.4784,
70.6287

■ 36.8958, 43.9663,
68.8299

■ 58.9297, 62.9271,
71.3284

■ 33.2110, 40.3400,
68.3242

■ 66.4428, 68.8781,
72.0811

■ 30.1720, 37.1146,
67.8618

■ 74.8220, 75.3481,
72.8883

■ 27.7285, 34.2633,
67.4402

■ 80.3200, 80.4058,
73.5747

■ 25.8223, 31.7553,
67.0566

■ 81.8675, 83.5008,
74.0906

■ 24.3823, 29.5533,
66.7075

■ 83.4651, 86.6962,
74.6231

■ 23.7741, 28.5342,
66.5428

■ 85.1135, 89.9928,
75.1726

■ 86.8129, 93.3916,
75.7391

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8681, 52.5126, 62.4953



46.3758, 52.5126, 69.9790



48.8679, 52.5126, 74.1636

Triad

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



46.3758, 52.5126, 69.9790



55.5355, 52.5126, 60.2409



48.1311, 52.5126, 43.4838

Complementary

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



46.3758, 52.5126, 69.9790



48.3534, 46.3875, 39.2071

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.



50.9702, 52.5126, 43.0054



46.3758, 52.5126, 69.9790



55.3197, 52.5126, 52.1698

Square

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



46.3758, 52.5126, 69.9790



54.2016, 52.5126, 68.1929



53.6228, 52.5126, 46.0406



45.8543, 52.5126, 47.4168

Rectangle

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



46.3758, 52.5126, 69.9790



50.7844, 52.5126, 74.2739



53.6228, 52.5126, 46.0406



49.0490, 52.5126, 42.9289

Sweetspot

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



46.3774, 52.5147, 69.9802



87.2996, 93.7993, 108.1116



45.3130, 57.4470, 47.8569



18.5490, 19.9663, 23.1262



0.0000, 0.0000, 0.0000



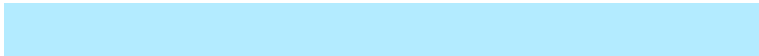
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3774, 52.5147, 69.9802



66.1750, 76.0442, 105.7979



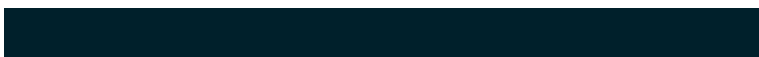
40.9829, 41.7258, 68.1820



12.5018, 13.5270, 15.8896



14.7625, 17.7868, 41.1083



0.9563, 1.2047, 2.5014

Inverse Universe

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



49.7438, 42.8717, 59.0818



72.2260, 59.2865, 86.0796



53.7762, 57.2331, 41.0147



12.8065, 12.5741, 14.9212



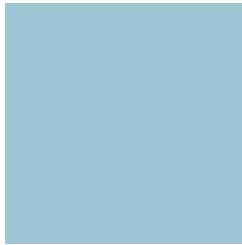
20.5103, 10.1404, 20.5230



1.2704, 0.6249, 1.4131

Previews

White Background



This preview shows how the XYZ color 46.3758, 52.5126, 69.9790 looks on a white background.

Color Contrast Check

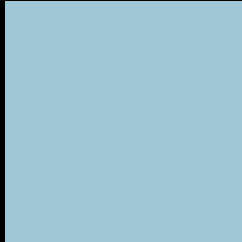
Large Text (above 18pt) WCAG AA × Fail

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 46.3758, 52.5126, 69.9790 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 46.3758, 52.5126, 69.9790

Background



This preview shows how black text looks on a background with the XYZ color 46.3758, 52.5126, 69.9790.

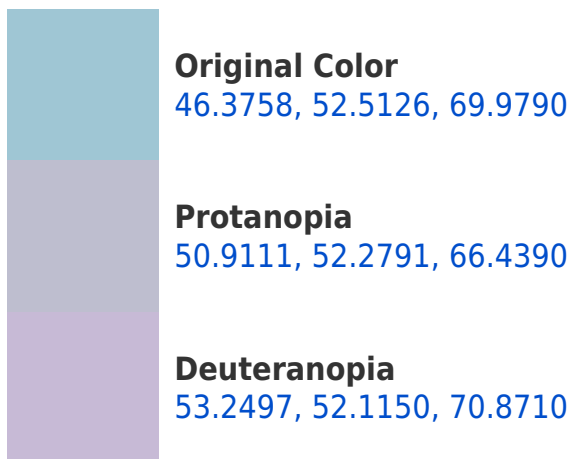


This preview shows how white text looks on a background with the XYZ color 46.3758, 52.5126,

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

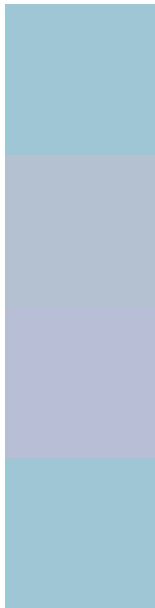




Tritanopia

46.6298, 52.6141, 71.3162

Trichromacy



Original Color

46.3758, 52.5126, 69.9790

Protanomaly

49.1690, 52.3271, 67.8303

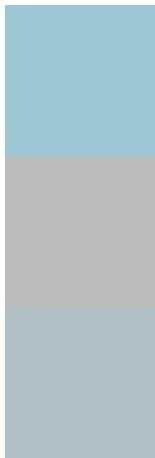
Deuteranomaly

50.1909, 51.8214, 70.3080

Tritanomaly

46.5024, 52.5632, 70.6456

Monochromacy



Original Color

46.3758, 52.5126, 69.9790

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.0591, 51.0776, 60.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3758, 52.5126, 69.9790 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(159, 198, 212)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 212)  
}
```

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(159, 198, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 212) }
```

Border

The CSS property to change the border of an element to XYZ 46.3758, 52.5126, 69.9790 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(159, 198, 212) }
```


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

```
.border{ border-color:rgb(159, 198, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 198, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 198, 212);  
box-shadow:4px 4px 4px 4px rgb(159, 198,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3758, 52.5126, 69.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 212) }
```

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

```
.background{ background-color: rgb(159,  
198, 212) }
```

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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