

Converting Colors

XYZ(46.8522, 49.9762, 66.0128)

Have a look what the booklet for
XYZ(46.8522, 49.9762, 66.0128)
contains.

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Color

**XYZ(46.9156, 49.8989,
66.1902)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBDCF
RGB	174, 189, 207
RGB Percent	68%, 74%, 81%
CMY	0.3176, 0.2588, 0.1882
CMYK	0.16, 0.09, 0.00, 0.19
HSL	213°, 26%, 75%
HSV	213°, 16%, 81%
XYZ	46.9156, 49.8989, 66.1902
YIQ	186.5670, -14.7180, 2.4180

Conversions

Conversions Part 2

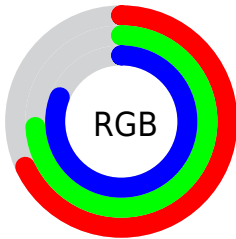
Format	Color
RYB	174, 184, 207
Decimal	11451855
CIELab	76.01, -1.43, -10.79
CIELCh	76, 10.885, 262.442
Yxy	49.8989, 0.2878, 0.3061
Android (android.graphics.Color)	4289641935 (0xFFFAEBDCF)
YUV	186.5670, 10.0735, -11.0213
Hunter-Lab	70.6392, -5.0662, -6.1084

Details

The XYZ color **46.9156, 49.8989, 66.1902** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.2219, 54.0203, 47.7198**, and the grayscale version is **46.9426, 49.3872, 53.7827**.

A 20% lighter version of the original color is **83.3355, 89.3478, 107.4613**, and **22.4391, 23.9732, 33.5816** is the 20% darker color. If you saturate the color by 10%, you get **40.3203, 43.0343, 65.2136**, and if you desaturate by 10%, it is **54.4136, 57.5121, 67.2653**.

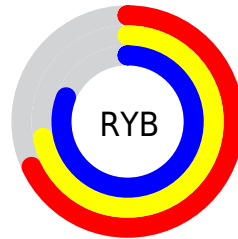
Distribution



Red (68%)

Green (74%)

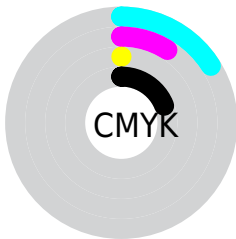
Blue (81%)



Red (68%)

Yellow (72%)

Blue (81%)

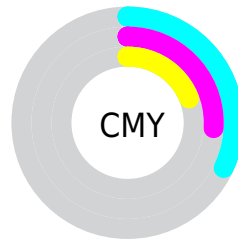


Cyan (16%)

Magenta (9%)

Yellow (0%)

Black (19%)



Cyan (32%)

Magenta (26%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9156, 49.8989, 66.1902 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 46.9156, 49.8989, 66.1902 by changing the saturation by 10% instead.

■ 46.9156, 49.8989,
66.1902

■ 46.9156, 49.8989,
66.1902

365.1321,
386.2704, 465.4796

■ 33.1766, 35.3331,
47.9694

■ 84.8071, 90.0251,
115.3889

■ 22.4217, 23.9196,
33.4428

109.6904,
116.3542, 147.2038

■ 14.2854, 15.2740,
22.1920

139.0191,
147.3732, 184.3872

■ 8.4025, 9.0119,
13.7984

173.1586,
183.4665, 227.3575

■ 4.4075, 4.7489,
7.8434

212.4743,
225.0185, 276.5334

■ 1.9351, 2.1007,
3.9086

257.3316,

■ 0.5971, 0.6650,

272.4135, 332.3333

1.5753

308.0957,
326.0361, 395.1759

■ 0.0000, 0.0000,
0.2731

■ 0.0000, 0.0000,
0.0000

■ 46.9156, 49.8989,
66.1902

■ 46.9156, 49.8989,
66.1902

■ 40.3203, 43.0343,
65.2136

■ 54.4136, 57.5121,
67.2653

■ 34.5865, 36.8868,
64.3292

■ 62.8444, 65.8916,
68.4384

■ 29.6763, 31.4316,
63.5351

■ 72.2421, 75.0623,
69.7132

■ 25.5471, 26.6398,
62.8278

■ 81.9713, 84.7025,
71.0611

■ 22.1519, 22.4802,
62.2039

■ 85.2914, 91.3426,
72.1678

■ 19.4384, 18.9184,
61.6594

■ 88.2626, 97.2851,
73.1582

■ 17.3460, 15.9153,
61.1900

■ 15.8004, 13.4245,
60.7907

■ 15.2751, 12.5299,
60.6457

Harmonies

Analogous

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



45.0865, 49.8989, 63.6890



46.9156, 49.8989, 66.1902



48.9340, 49.8989, 65.3385

Triad

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



46.9156, 49.8989, 66.1902



51.1293, 49.8989, 50.1726



44.3984, 49.8989, 47.7949

Complementary

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



46.9156, 49.8989, 66.1902



52.2219, 54.0203, 47.7198

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.



45.9521, 49.8989, 44.6356



46.9156, 49.8989, 66.1902



49.8480, 49.8989, 45.9385

Square

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



46.9156, 49.8989, 66.1902



51.4051, 49.8989, 55.8158



47.9429, 49.8989, 43.9811



43.6604, 49.8989, 52.8736

Rectangle

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



46.9156, 49.8989, 66.1902



50.1120, 49.8989, 63.0102



47.9429, 49.8989, 43.9811



44.8404, 49.8989, 46.4885

Sweetspot

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



46.9171, 49.9010, 66.1913



88.3355, 93.3049, 107.9616



49.2394, 57.4132, 58.1246



18.7121, 19.7751, 23.0807



0.0000, 0.0000, 0.0000



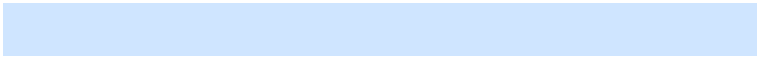
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9171, 49.9010, 66.1913



71.5590, 76.2254, 105.5492



44.1010, 43.9035, 65.1821



11.6000, 12.2903, 15.0045



9.7159, 8.0784, 38.2397



0.6221, 0.6093, 2.1644

Inverse Universe

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



50.0546, 47.2126, 54.6214



77.5278, 71.3014, 83.4958



55.3794, 60.7900, 48.8601



12.0290, 11.8963, 13.4286



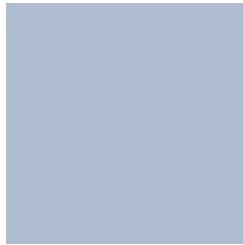
17.5349, 8.8868, 7.7228



1.0202, 0.5128, 0.6413

Previews

White Background



This preview shows how the XYZ color 46.9156, 49.8989, 66.1902 looks on a white background.

Color Contrast Check

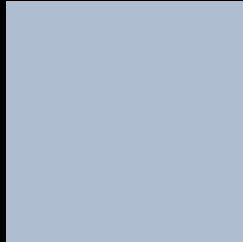
Large Text (above 18pt) WCAG AA × Fail

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 46.9156, 49.8989, 66.1902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

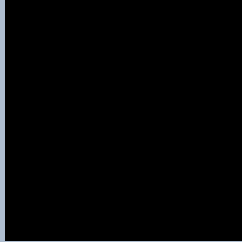
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

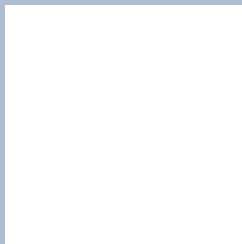
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9156, 49.8989, 66.1902

Background



This preview shows how black text looks on a background with the XYZ color 46.9156, 49.8989, 66.1902.



This preview shows how white text looks on a background with the XYZ color 46.9156, 49.8989,

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

46.9156, 49.8989, 66.1902

Protanopia

48.5859, 49.8399, 64.8169

Deuteranopia

50.6188, 49.6121, 66.5827



Tritanopia

46.5522, 49.7535, 64.2766

Trichromacy



Original Color

46.9156, 49.8989, 66.1902

Protanomaly

47.9670, 49.8206, 65.4807

Deuteranomaly

49.2276, 49.8168, 66.6955

Tritanomaly

46.6726, 49.8016, 64.9104

Monochromacy



Original Color

46.9156, 49.8989, 66.1902

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0122, 49.8066, 58.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9156, 49.8989, 66.1902 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(174, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(174, 189, 207)  
}
```

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(174, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 189, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.9156, 49.8989, 66.1902 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(174, 189, 207) }
```


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

```
.border{ border-color:rgb(174, 189, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 189, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(174, 189,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9156, 49.8989, 66.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 189, 207) }
```

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

```
.background{ background-color: rgb(174,  
189, 207) }
```

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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