

Converting Colors

XYZ(46.8626, 50.1159, 66.9269)

Have a look what the booklet for
XYZ(46.8626, 50.1159, 66.9269)
contains.

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Color

**XYZ(46.8119, 50.1516,
66.8875)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBED0
RGB	172, 190, 208
RGB Percent	67%, 75%, 82%
CMY	0.3255, 0.2549, 0.1843
CMYK	0.17, 0.09, 0.00, 0.18
HSL	210°, 28%, 75%
HSV	210°, 17%, 82%
XYZ	46.8119, 50.1516, 66.8875
YIQ	186.6700, -16.5060, 1.7820

Conversions

Conversions Part 2

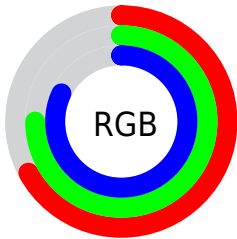
Format	Color
R _Y B	172, 184, 208
Decimal	11321040
CIE Lab	76.16, -2.39, -11.12
CIE LCh	76, 11.371, 257.859
Yxy	50.1516, 0.2857, 0.3061
Android (android.graphics.Color)	4289511120 (0xFFACBED0)
YUV	186.6700, 10.5157, -12.8656
Hunter-Lab	70.8178, -5.9393, -6.4270

Details

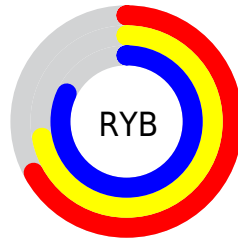
The XYZ color **46.8119, 50.1516, 66.8875** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.8728, 53.2155, 46.5685**, and the grayscale version is **46.9988, 49.4464, 53.8471**.

A 20% lighter version of the original color is **83.0007, 89.6255, 107.5326**, and **22.3861, 24.1464, 34.0527** is the 20% darker color. If you saturate the color by 10%, you get **40.4270, 43.6361, 65.9672**, and if you desaturate by 10%, it is **54.0750, 57.3610, 67.8971**.

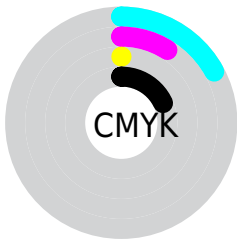
Distribution



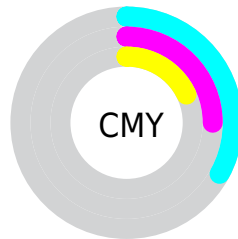
- Red (67%)
- Green (75%)
- Blue (82%)



- Red (67%)
- Yellow (72%)
- Blue (82%)



- Cyan (17%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8119, 50.1516, 66.8875 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 46.8119, 50.1516, 66.8875 by changing the saturation by 10% instead.

■ 46.8119, 50.1516,
66.8875

■ 46.8119, 50.1516,
66.8875

364.7247,
387.2585, 468.0348

■ 33.0943, 35.5339,
48.5322

■ 84.6532, 90.3995,
116.3983

■ 22.3583, 24.0744,
33.8855

109.5077,
116.7984, 148.3909

■ 14.2385, 15.3888,
22.5290

138.8051,
147.8931, 185.7663

■ 8.3695, 9.0927,
14.0441

172.9109,
184.0681, 228.9431

■ 4.3861, 4.8017,
8.0123

212.1904,
225.7078, 278.3398

■ 1.9228, 2.1314,
4.0149

257.0090,

■ 0.5900, 0.6822,

273.1965, 334.3750

1.6335

307.7319,
326.9186, 397.4671

■ 0.0000, 0.0000,
0.3146

■ 0.0000, 0.0000,
0.0000

■ 46.8119, 50.1516,
66.8875

■ 46.8119, 50.1516,
66.8875

■ 40.4270, 43.6361,
65.9672

■ 54.0750, 57.3610,
67.8971

■ 34.8794, 37.7846,
65.1301

■ 62.2460, 65.2805,
68.9950

■ 30.1314, 32.5738,
64.3746

■ 71.3588, 73.9336,
70.1849

■ 26.1403, 27.9764,
63.6976

■ 81.3693, 83.3020,
71.4656

■ 22.8592, 23.9629,
63.0958

■ 84.3769, 89.3172,
72.4681

■ 20.2355, 20.5003,
62.5658

■ 87.5605, 95.6845,
73.5294

■ 18.2077, 17.5511,
62.1034

■ 88.3853, 97.3341,
73.8043

■ 16.6937, 15.0668,
61.7037

■ 16.3369, 14.4574,
61.6048

Harmonies

Analogous

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



44.9736, 50.1516, 63.7683



46.8119, 50.1516, 66.8875



48.9339, 50.1516, 66.5416

Triad

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



46.8119, 50.1516, 66.8875



51.6707, 50.1516, 51.0898



44.6964, 50.1516, 47.1128

Complementary

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



46.8119, 50.1516, 66.8875



51.8728, 53.2155, 46.5685

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.



46.4233, 50.1516, 44.1915



46.8119, 50.1516, 66.8875



50.4670, 50.1516, 46.3673

Square

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



46.8119, 50.1516, 66.8875



51.7823, 50.1516, 57.1093



48.5336, 50.1516, 43.9291



43.7769, 50.1516, 52.1780

Rectangle

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



46.8119, 50.1516, 66.8875



50.2241, 50.1516, 64.3946



48.5336, 50.1516, 43.9291



45.1994, 50.1516, 45.8643

Sweetspot

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



46.8134, 50.1537, 66.8886



88.5139, 93.6618, 108.0211



48.7990, 57.5749, 56.9142



18.7554, 19.8618, 23.0951



0.0000, 0.0000, 0.0000



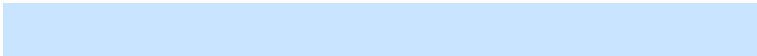
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8134, 50.1537, 66.8886



70.0648, 75.3124, 105.4517



43.2665, 43.0599, 65.7063



11.6451, 12.3804, 15.0196



10.2786, 9.2039, 38.4273



0.6541, 0.6733, 2.1751

Inverse Universe

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



50.0604, 46.6339, 55.0802



76.2670, 68.8575, 82.8361



55.8696, 61.2091, 47.9008



12.0517, 11.9054, 13.5483



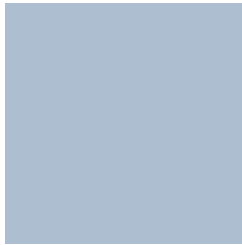
17.8189, 9.0004, 9.2185



1.0364, 0.5193, 0.7264

Previews

White Background



This preview shows how the XYZ color 46.8119, 50.1516, 66.8875 looks on a white background.

Color Contrast Check

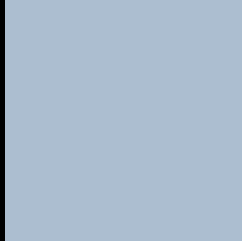
Large Text (above 18pt) WCAG AA × Fail

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 46.8119, 50.1516, 66.8875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

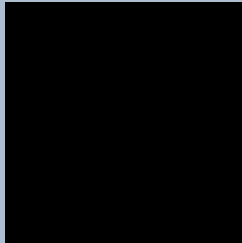
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

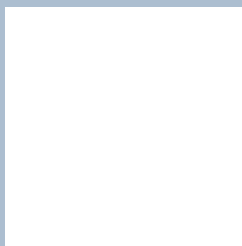
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8119, 50.1516, 66.8875

Background



This preview shows how black text looks on a background with the XYZ color 46.8119, 50.1516, 66.8875.



This preview shows how white text looks on a background with the XYZ color 46.8119, 50.1516, 66.8875.

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

46.8119, 50.1516, 66.8875

Protanopia

48.9492, 50.0131, 65.4661

Deuteranopia

51.3313, 50.2559, 67.9677



Tritanopia

46.5673, 50.0538, 65.5995

Trichromacy



Original Color

46.8119, 50.1516, 66.8875

Protanomaly

48.0889, 49.8694, 66.1227

Deuteranomaly

49.5610, 50.2861, 67.4156

Tritanomaly

46.6892, 50.1026, 66.2415

Monochromacy



Original Color

46.8119, 50.1516, 66.8875

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1250, 49.8517, 58.7683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8119, 50.1516, 66.8875 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(172, 190, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 190, 208)  
}
```

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(172, 190, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 190, 208) }
```

Border

The CSS property to change the border of an element to XYZ 46.8119, 50.1516, 66.8875 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(172, 190, 208) }
```


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

```
.border{ border-color:rgb(172, 190, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 190, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 190, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 190, 208);  
box-shadow:4px 4px 4px 4px rgb(172, 190,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8119, 50.1516, 66.8875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 190, 208) }
```

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

```
.background{ background-color: rgb(172,  
190, 208) }
```

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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