

Converting Colors

XYZ(46.5442, 49.0517, 68.6437)

Have a look what the booklet for
XYZ(46.5442, 49.0517, 68.6437)
contains.

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Color

**XYZ(46.5415, 49.0145,
68.6358)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBBD3
RGB	172, 187, 211
RGB Percent	67%, 73%, 83%
CMY	0.3255, 0.2667, 0.1725
CMYK	0.18, 0.11, 0.00, 0.17
HSL	217°, 31%, 75%
HSV	217°, 18%, 83%
XYZ	46.5415, 49.0145, 68.6358
YIQ	185.2510, -16.6440, 4.2840

Conversions

Conversions Part 2

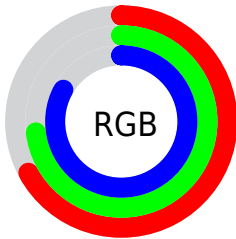
Format	Color
RYB	172, 183, 211
Decimal	11320275
CIELab	75.46, -0.13, -13.80
CIELCh	75, 13.796, 269.469
Yxy	49.0145, 0.2835, 0.2985
Android (android.graphics.Color)	4289510355 (0xFFACBBD3)
YUV	185.2510, 12.6943, -11.6211
Hunter-Lab	70.0104, -3.8549, -9.1187

Details

The XYZ color **46.5415, 49.0145, 68.6358** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.0508, 56.3073, 47.0505**, and the grayscale version is **46.1932, 48.5988, 52.9241**.

A 20% lighter version of the original color is **82.0955, 87.8152, 107.2309**, and **22.1336, 23.3724, 34.7973** is the 20% darker color. If you saturate the color by 10%, you get **39.6424, 41.5532, 67.5600**, and if you desaturate by 10%, it is **54.4279, 57.3569, 69.8312**.

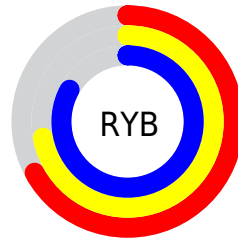
Distribution



Red (67%)

Green (73%)

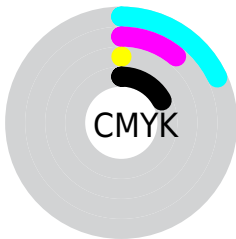
Blue (83%)



Red (67%)

Yellow (72%)

Blue (83%)

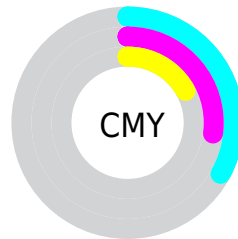


Cyan (18%)

Magenta (11%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (27%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5415, 49.0145, 68.6358 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 46.5415, 49.0145, 68.6358 by changing the saturation by 10% instead.

■ 46.5415, 49.0145,
68.6358

■ 46.5415, 49.0145,
68.6358

363.6610,
382.7994, 474.4045

■ 32.8798, 34.6310,
49.9452

■ 84.2517, 88.7130,
118.9240

■ 22.1931, 23.3788,
34.9990

109.0309,
114.7967, 151.3588

■ 14.1163, 14.8734,
23.3786

138.2467,
145.5494, 189.2121

■ 8.2838, 8.7306,
14.6654

172.2643,
181.3553, 232.9023

■ 4.3304, 4.5659,
8.4409

211.4492,
222.5988, 282.8482

■ 1.8907, 1.9949,
4.2865

256.1667,

■ 0.5714, 0.6045,

269.6644, 339.4681

1.7838

306.7822,
322.9365, 403.1807

■ 0.0000, 0.0000,
0.4172

■ 0.0000, 0.0000,
0.0000

■ 46.5415, 49.0145,
68.6358

■ 46.5415, 49.0145,
68.6358

■ 39.6424, 41.5532,
67.5600

■ 54.4279, 57.3569,
69.8312

■ 33.6850, 34.9361,
66.5968

■ 63.3357, 66.6038,
71.1465

■ 28.6264, 29.1322,
65.7431

■ 73.3030, 76.7850,
72.5863

■ 24.4187, 24.1060,
64.9948

■ 83.8464, 87.6600,
74.1297

■ 21.0089, 19.8193,
64.3471

■ 87.7838, 95.5348,
75.4422

■ 18.3376, 16.2295,
63.7950

■ 88.7580, 97.4832,
75.7669

■ 16.3357, 13.2887,
63.3328

■ 14.9018, 10.9312,
62.9534

■ 14.7128, 10.6128,
62.9019

Harmonies

Analogous

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



44.1462, 49.0145, 66.3654



46.5415, 49.0145, 68.6358



49.0345, 49.0145, 66.5156

Triad

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



46.5415, 49.0145, 68.6358



50.9759, 49.0145, 46.7700



42.4998, 49.0145, 46.5644

Complementary

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



46.5415, 49.0145, 68.6358



54.0508, 56.3073, 47.0505

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.



44.2219, 49.0145, 42.0790



46.5415, 49.0145, 68.6358



49.1158, 49.0145, 42.1899

Square

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



46.5415, 49.0145, 68.6358



51.6505, 49.0145, 53.4984



46.6322, 49.0145, 40.5517



41.8654, 49.0145, 53.2388

Rectangle

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



46.5415, 49.0145, 68.6358



50.4038, 49.0145, 62.9983



46.6322, 49.0145, 40.5517



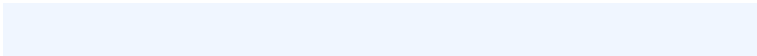
42.9675, 49.0145, 44.7736

Sweetspot

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



46.5430, 49.0165, 68.6369



86.7132, 91.3524, 107.6702



50.2042, 59.3184, 60.6718



18.3735, 19.3584, 23.0181



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.



46.5430, 49.0165, 68.6369



67.2960, 70.7872, 104.7242



44.3934, 43.4278, 67.6715



11.5312, 12.1526, 14.9816



8.9713, 6.5892, 37.9915



0.5776, 0.5203, 2.1496

Inverse Universe

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



50.5874, 46.9430, 53.4107



74.6224, 67.2536, 77.0922



56.5017, 62.8478, 48.1838



11.9943, 11.8824, 13.2456



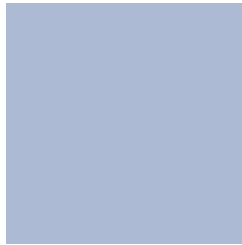
17.1590, 8.7364, 5.7436



0.9978, 0.5038, 0.5230

Previews

White Background



This preview shows how the XYZ color 46.5415, 49.0145, 68.6358 looks on a white background.

Color Contrast Check

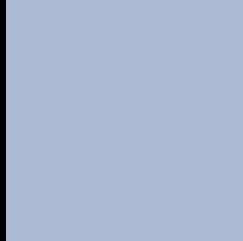
Large Text (above 18pt) WCAG AA × Fail

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 46.5415, 49.0145, 68.6358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

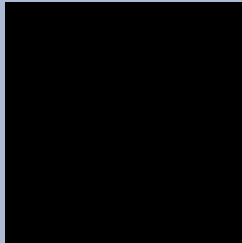
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5415, 49.0145, 68.6358

Background



This preview shows how black text looks on a background with the XYZ color 46.5415, 49.0145, 68.6358.



This preview shows how white text looks on a background with the XYZ color 46.5415, 49.0145,

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

46.5415, 49.0145, 68.6358

Protanopia

47.9405, 48.8295, 67.2199

Deuteranopia

49.8934, 48.8776, 69.0920



Tritanopia

45.5573, 48.9362, 63.5444

Trichromacy



Original Color

46.5415, 49.0145, 68.6358

Protanomaly

47.3419, 48.8160, 67.9000

Deuteranomaly

48.5843, 48.8108, 69.1481

Tritanomaly

45.9184, 49.0806, 65.4459

Monochromacy



Original Color

46.5415, 49.0145, 68.6358

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.1189, 48.7162, 58.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5415, 49.0145, 68.6358 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, 187, 211)` looks like.

```
.text, #text, p{  
    color:rgb(172, 187, 211)  
}
```

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, 187, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 187, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.5415, 49.0145, 68.6358 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, 187, 211) }
```


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

```
.border{ border-color:rgb(172, 187, 211) }
```

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

Here you see how a box with a 4 pixel rgb(172, 187, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 187, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 187, 211);  
box-shadow:4px 4px 4px 4px rgb(172, 187,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5415, 49.0145, 68.6358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 187, 211) }
```

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

```
.background{ background-color: rgb(172,  
187, 211) }
```

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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