

Converting Colors

XYZ(46.5429, 48.9459, 65.0738)

Have a look what the booklet for
XYZ(46.5429, 48.9459, 65.0738)
contains.

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Color

**XYZ(46.5901, 49.1108,
65.4163)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBBCE
RGB	175, 187, 206
RGB Percent	69%, 73%, 81%
CMY	0.3137, 0.2667, 0.1922
CMYK	0.15, 0.09, 0.00, 0.19
HSL	217°, 24%, 75%
HSV	217°, 15%, 81%
XYZ	46.5901, 49.1108, 65.4163
YIQ	185.5780, -13.2510, 3.3650

Conversions

Conversions Part 2

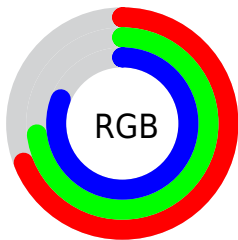
Format	Color
R _Y B	175, 184, 206
Decimal	11516878
CIE Lab	75.52, -0.25, -10.97
CIE LCh	76, 10.970, 268.701
Yxy	49.1108, 0.2892, 0.3048
Android (android.graphics.Color)	4289706958 (0xFFAFBBCE)
YUV	185.5780, 10.0680, -9.2769
Hunter-Lab	70.0791, -3.9678, -6.2897

Details

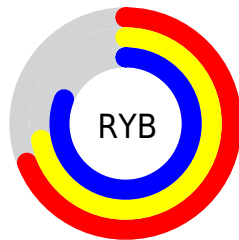
The XYZ color **46.5901, 49.1108, 65.4163** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.4837, 54.8005, 48.3699**, and the grayscale version is **46.3882, 48.8040, 53.1475**.

A 20% lighter version of the original color is **83.0556, 88.3101, 107.2758**, and **22.2186, 23.4548, 33.0619** is the 20% darker color. If you saturate the color by 10%, you get **39.7533, 41.7848, 64.3634**, and if you desaturate by 10%, it is **54.3707, 57.2754, 66.5829**.

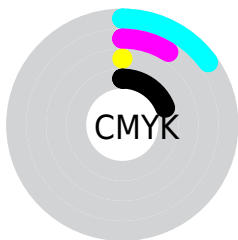
Distribution



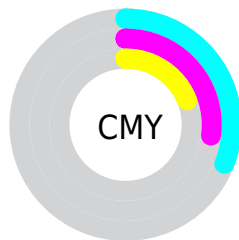
- Red (69%)
- Green (73%)
- Blue (81%)



- Red (69%)
- Yellow (72%)
- Blue (81%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (27%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5901, 49.1108, 65.4163 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 46.5901, 49.1108, 65.4163 by changing the saturation by 10% instead.

■ 46.5901, 49.1108,
65.4163

■ 46.5901, 49.1108,
65.4163

363.8523,
383.1784, 462.6336

■ 32.9183, 34.7074,
47.3452

■ 84.3239, 88.8560,
114.2672

■ 22.2228, 23.4376,
32.9524

109.1167,
114.9666, 145.8840

■ 14.1382, 14.9169,
21.8191

138.3471,
145.7483, 182.8533

■ 8.2992, 8.7611,
13.5270

172.3806,
181.5856, 225.5934

■ 4.3404, 4.5857,
7.6575

211.5825,
222.8629, 274.5229

■ 1.8965, 2.0063,
3.7919

256.3182,

■ 0.5748, 0.6111,

269.9645, 330.0604

1.5119

306.9530,
323.2748, 392.6245

■ 0.0000, 0.0000,
0.2268

■ 0.0000, 0.0000,
0.0000

■ 46.5901, 49.1108,
65.4163

■ 46.5901, 49.1108,
65.4163

■ 39.7533, 41.7848,
64.3634

■ 54.3707, 57.2754,
66.5829

■ 33.8179, 35.2628,
63.4173

■ 63.1262, 66.2995,
67.8633

■ 28.7449, 29.5167,
62.5756

■ 72.8919, 76.2109,
69.2617

■ 24.4904, 24.5140,
61.8342

■ 82.8104, 86.5755,
70.7395

■ 21.0062, 20.2198,
61.1890

■ 86.6055, 94.1658,
72.0045

■ 18.2389, 16.5957,
60.6353

■ 88.1407, 97.2363,
72.5163

■ 16.1270, 13.5988,
60.1682

■ 14.5969, 11.1791,
59.7818

■ 13.9916, 10.1581,
59.6166

Harmonies

Analogous

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



44.6843, 49.1108, 63.5804



46.5901, 49.1108, 65.4163



48.5736, 49.1108, 63.8647

Triad

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



46.5901, 49.1108, 65.4163



50.1782, 49.1108, 48.2941



43.4293, 49.1108, 47.8860

Complementary

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



46.5901, 49.1108, 65.4163



52.4837, 54.8005, 48.3699

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.



44.8330, 49.1108, 44.2751



46.5901, 49.1108, 65.4163



48.7308, 49.1108, 44.4984

Square

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



46.5901, 49.1108, 65.4163



50.6809, 49.1108, 53.7266



46.7667, 49.1108, 43.0803



42.8923, 49.1108, 53.2208

Rectangle

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



46.5901, 49.1108, 65.4163



49.6656, 49.1108, 61.1771



46.7667, 49.1108, 43.0803



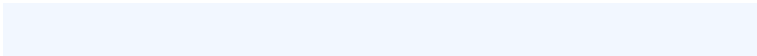
43.8134, 49.1108, 46.4451

Sweetspot

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



46.5916, 49.1128, 65.4174



88.0716, 92.7771, 107.8736



49.4442, 57.1346, 59.2267



18.6480, 19.6470, 23.0593



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.



46.5916, 49.1128, 65.4174



71.8066, 75.6575, 105.4265



44.8546, 44.5941, 64.6367



10.9520, 11.5444, 14.2214



8.7032, 6.4304, 36.7387



0.5220, 0.4778, 1.9197

Inverse Universe

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



49.7544, 47.3708, 53.5371



77.9123, 72.4489, 82.4574



54.4114, 59.9211, 49.2567



11.3891, 11.2844, 12.5837



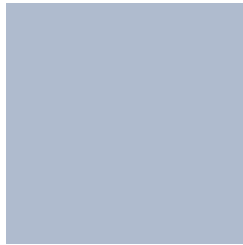
16.6039, 8.4521, 5.6327



0.8934, 0.4508, 0.4848

Previews

White Background



This preview shows how the XYZ color 46.5901, 49.1108, 65.4163 looks on a white background.

Color Contrast Check

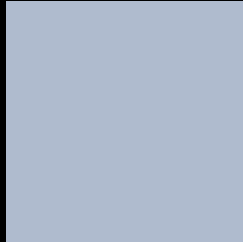
Large Text (above 18pt) WCAG AA × Fail

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 46.5901, 49.1108, 65.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

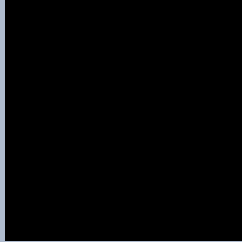
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

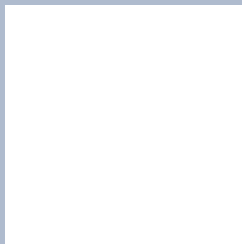
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5901, 49.1108, 65.4163

Background



This preview shows how black text looks on a background with the XYZ color 46.5901, 49.1108, 65.4163.



This preview shows how white text looks on a background with the XYZ color 46.5901, 49.1108,

65.4163.

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

46.5901, 49.1108, 65.4163

Protanopia

48.0152, 49.2479, 64.1019

Deuteranopia

50.0345, 49.0221, 65.8566



Tritanopia

46.0994, 49.2294, 62.9496

Trichromacy



Original Color

46.5901, 49.1108, 65.4163

Protanomaly

47.6344, 49.3493, 64.7724

Deuteranomaly

48.6895, 48.9368, 65.9110

Tritanomaly

46.2183, 49.2769, 63.5753

Monochromacy



Original Color

46.5901, 49.1108, 65.4163

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4759, 48.9132, 57.4437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5901, 49.1108, 65.4163 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(175, 187, 206)` looks like.

```
.text, #text, p{  
    color:rgb(175, 187, 206)  
}
```

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(175, 187, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 187, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.5901, 49.1108, 65.4163 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(175, 187, 206) }
```


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

```
.border{ border-color:rgb(175, 187, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 187, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 187, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 187, 206);  
box-shadow:4px 4px 4px 4px rgb(175, 187,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5901, 49.1108, 65.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 187, 206) }
```

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

```
.background{ background-color: rgb(175,  
187, 206) }
```

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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