

Converting Colors

XYZ(49.1328, 46.2408, 56.7442)

Have a look what the booklet for
XYZ(49.1328, 46.2408, 56.7442)
contains.

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Color

**XYZ(49.0068, 46.0518,
56.7580)**

Conversions

Conversions Part 1

Format	Color
Hex	CBACC1
RGB	203, 172, 193
RGB Percent	80%, 67%, 76%
CMY	0.2039, 0.3255, 0.2431
CMYK	0.00, 0.15, 0.05, 0.20
HSL	319°, 23%, 74%
HSV	319°, 15%, 80%
XYZ	49.0068, 46.0518, 56.7580
YIQ	183.6630, 11.7350, 13.1030

Conversions

Conversions Part 2

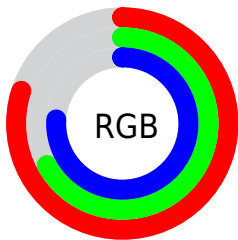
Format	Color
R _Y B	203, 172, 193
Decimal	13348033
CIE Lab	73.58, 14.82, -6.51
CIE LCh	74, 16.188, 336.274
Yxy	46.0518, 0.3228, 0.3033
Android (android.graphics.Color)	4291538113 (0xFFCBACC1)
YUV	183.6630, 4.6031, 16.9585
Hunter-Lab	67.8615, 10.1479, -2.0860

Details

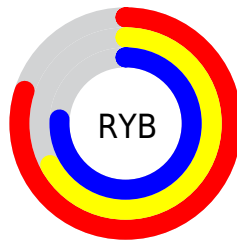
The XYZ color **49.0068, 46.0518, 56.7580** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.8145, 54.8613, 52.3805**, and the grayscale version is **45.3461, 47.7077, 51.9536**.

A 20% lighter version of the original color is **85.8080, 83.0377, 101.1278**, and **23.8445, 21.7160, 27.7458** is the 20% darker color. If you saturate the color by 10%, you get **44.7204, 38.6218, 51.8043**, and if you desaturate by 10%, it is **53.9184, 54.6791, 62.0808**.

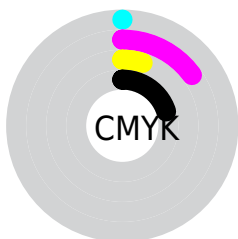
Distribution



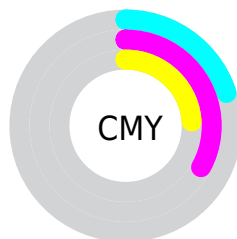
- Red (80%)
- Green (67%)
- Blue (76%)



- Red (80%)
- Yellow (67%)
- Blue (76%)



- Cyan (0%)
- Magenta (15%)
- Yellow (5%)
- Black (20%)



- Cyan (20%)
- Magenta (33%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0068, 46.0518, 56.7580 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 49.0068, 46.0518, 56.7580 by changing the saturation by 10% instead.

■ 49.0068, 46.0518,
56.7580

■ 49.0068, 46.0518,
56.7580

373.2856,
371.0169, 430.0102

■ 34.8394, 32.2867,
40.4029

■ 87.9022, 84.2965,
101.6088

■ 23.7051, 21.5806,
27.5367

113.3610,
109.5449, 130.9416

■ 15.2386, 13.5490,
17.7407

143.3142,
139.3899, 165.4374

■ 9.0744, 7.8077,
10.5965

178.1274,
174.2158, 205.5148

■ 4.8473, 3.9721,
5.6854

218.1657,
214.4071, 251.5922

■ 2.1918, 1.6580,
2.5891

263.7946,

■ 0.7384, 0.3962,

260.3481, 304.0882

0.8868

315.3795,
312.4232, 363.4213

■ 0.0000, 0.0000,
0.0000

■ 49.0068, 46.0518,
56.7580

■ 49.0068, 46.0518,
56.7580

■ 44.7204, 38.6218,
51.8043

■ 53.9184, 54.6791,
62.0808

■ 41.0280, 32.3295,
47.2058

■ 59.4767, 64.5478,
67.7802

■ 37.9018, 27.1192,
42.9515

■ 65.7067, 75.7071,
73.8673

■ 35.3103, 22.9282,
39.0288

■ 72.6314, 88.2018,
80.3513

■ 33.2183, 19.6873,
35.4238

■ 74.0818, 89.6938,
85.1781

■ 31.5865, 17.3187,
32.1214

■ 74.9967, 90.0598,
89.9957

■ 30.3695, 15.7319,
29.1039

■ 75.9462, 90.4396,
94.9960

■ 29.5117, 14.8166,
26.3506

■ 76.9309, 90.8335,
100.1810

■ 29.1809, 14.5175,
25.1227

■ 77.9509, 91.2415,
105.5525

Harmonies

Analogous

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



47.1095, 46.0518, 63.9582



49.0068, 46.0518, 56.7580



49.4745, 46.0518, 48.4393

Triad

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



49.0068, 46.0518, 56.7580



43.1720, 46.0518, 36.0462



39.4808, 46.0518, 60.0614

Complementary

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



49.0068, 46.0518, 56.7580



46.8145, 54.8613, 52.3805

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.



38.5234, 46.0518, 51.8854



49.0068, 46.0518, 56.7580



40.5938, 46.0518, 38.4752

Square

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



49.0068, 46.0518, 56.7580



46.0236, 46.0518, 37.0491



38.9218, 46.0518, 44.0623



41.5928, 46.0518, 66.0062

Rectangle

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



49.0068, 46.0518, 56.7580



48.8954, 46.0518, 43.4820



38.9218, 46.0518, 44.0623



39.0175, 46.0518, 57.4508

Sweetspot

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



49.0081, 46.0538, 56.7590



90.4613, 91.8711, 104.1381



44.7820, 43.7419, 62.5835



19.2292, 19.4289, 22.1494



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.



49.0081, 46.0538, 56.7590



79.8217, 73.2127, 92.5118



47.3869, 45.4053, 48.2216



11.5276, 11.3398, 13.3129



18.6135, 9.2560, 16.2152



0.9940, 0.4910, 1.0144

Inverse Universe

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



49.0081, 46.0538, 56.7590



79.8217, 73.2127, 92.5118



48.4851, 55.5295, 61.1778



11.5276, 11.3398, 13.3129



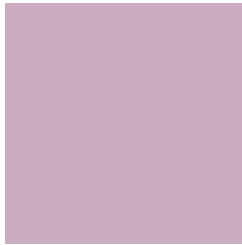
18.6135, 9.2560, 16.2152



0.9940, 0.4910, 1.0144

Previews

White Background



This preview shows how the XYZ color 49.0068, 46.0518, 56.7580 looks on a white background.

Color Contrast Check

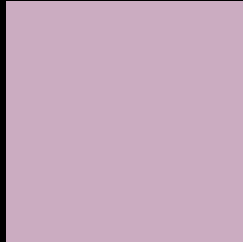
Large Text (above 18pt) WCAG AA × Fail

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 49.0068, 46.0518, 56.7580 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 49.0068, 46.0518, 56.7580

Background



This preview shows how black text looks on a background with the XYZ color 49.0068, 46.0518, 56.7580.



This preview shows how white text looks on a background with the XYZ color 49.0068, 46.0518,

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

49.0068, 46.0518, 56.7580

Protanopia

45.1047, 46.3034, 59.9863

Deuteranopia

47.0321, 46.1939, 56.3066



Tritanopia

48.2703, 46.0316, 53.3546

Trichromacy



Original Color

49.0068, 46.0518, 56.7580

Protanomaly

46.4250, 46.1212, 58.6800

Deuteranomaly

47.8704, 46.3360, 56.2899

Tritanomaly

48.4860, 46.1178, 54.4903

Monochromacy



Original Color

49.0068, 46.0518, 56.7580

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.7768, 47.3067, 53.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0068, 46.0518, 56.7580 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(203, 172, 193)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 193)  
}
```

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(203, 172, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.0068, 46.0518, 56.7580 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(203, 172, 193) }
```


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

```
.border{ border-color:rgb(203, 172, 193) }
```

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

Here you see how a box with a 4 pixel rgb(203, 172, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 193);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0068, 46.0518, 56.7580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 193) }
```

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

```
.background{ background-color: rgb(203,  
172, 193) }
```

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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