

Converting Colors

XYZ(49.2168, 46.0073, 56.7535)

Have a look what the booklet for
XYZ(49.2168, 46.0073, 56.7535)
contains.

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Color

**XYZ(49.0904, 45.8134,
56.7076)**

Conversions

Conversions Part 1

Format	Color
Hex	CCABC1
RGB	204, 171, 193
RGB Percent	80%, 67%, 76%
CMY	0.2000, 0.3294, 0.2431
CMYK	0.00, 0.16, 0.05, 0.20
HSL	320°, 24%, 74%
HSV	320°, 16%, 80%
XYZ	49.0904, 45.8134, 56.7076
YIQ	183.3750, 12.6060, 13.8380

Conversions

Conversions Part 2

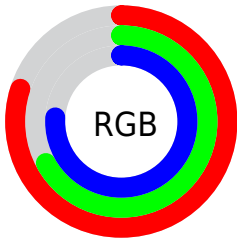
Format	Color
RYB	204, 171, 193
Decimal	13413313
CIELab	73.42, 15.72, -6.73
CIELCh	73, 17.097, 336.808
Yxy	45.8134, 0.3238, 0.3022
Android (android.graphics.Color)	4291603393 (0xFFCCABC1)
YUV	183.3750, 4.7451, 18.0881
Hunter-Lab	67.6856, 11.0111, -2.2938

Details

The XYZ color **49.0904, 45.8134, 56.7076** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.8327, 55.2224, 52.4492**, and the grayscale version is **45.1866, 47.5398, 51.7708**.

A 20% lighter version of the original color is **85.5352, 82.4923, 101.0369**, and **23.9081, 21.5711, 27.7145** is the 20% darker color. If you saturate the color by 10%, you get **44.7895, 38.3974, 51.6169**, and if you desaturate by 10%, it is **54.0236, 54.4368, 62.1823**.

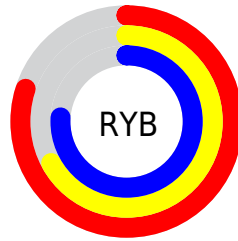
Distribution



Red (80%)

Green (67%)

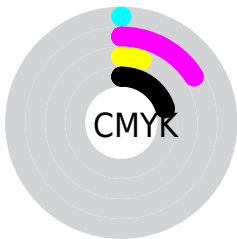
Blue (76%)



Red (80%)

Yellow (67%)

Blue (76%)

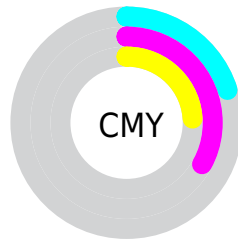


Cyan (0%)

Magenta (16%)

Yellow (5%)

Black (20%)



Cyan (20%)


Magenta (33%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0904, 45.8134, 56.7076 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 49.0904, 45.8134, 56.7076 by changing the saturation by 10% instead.

 49.0904, 45.8134,
56.7076

 49.0904, 45.8134,
56.7076

373.6092,
370.0579, 429.8158

 34.9060, 32.0986,
40.3627


 88.0256, 83.9397,
101.5345

 23.7567, 21.4368,
27.5055


113.5072,
109.1199, 130.8536

 15.2770, 13.4437,
17.7175


143.4852,
138.8908, 165.3346

 9.1016, 7.7348,
10.5800

178.3250,
173.6366, 205.3959

 4.8651, 3.9257,
5.6746

218.3919,
213.7419, 251.4561

 2.2023, 1.6321,
2.5827

264.0513,

 0.7439, 0.3791,

259.5909, 303.9338

0.8835

315.6686,
311.5681, 363.2475

■ 0.0000, 0.0000,
0.0000

■ 49.0904, 45.8134,
56.7076

■ 49.0904, 45.8134,
56.7076

■ 44.7895, 38.3974,
51.6169

■ 54.0236, 54.4368,
62.1823

■ 41.0892, 32.1281,
46.8957

■ 59.6109, 64.3126,
68.0489

■ 37.9611, 26.9488,
42.5327

■ 65.8781, 75.4909,
74.3188

■ 35.3727, 22.7955,
38.5149

■ 72.8483, 88.0172,
81.0017

■ 33.2883, 19.5974,
34.8277

■ 74.5280, 89.9039,
86.1020

■ 31.6676, 17.2746,
31.4553

■ 75.4856, 90.2869,
91.1445

■ 30.4637, 15.7343,
28.3796

■ 76.4807, 90.6850,
96.3845

■ 29.6175, 14.8592,
25.5782

■ 77.5137, 91.0982,
101.8242

■ 29.3456, 14.6149,
24.5642

■ 78.5850, 91.5267,
107.4657

Harmonies

Analogous

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



47.1089, 45.8134, 64.3837



49.0904, 45.8134, 56.7076



49.5548, 45.8134, 47.9416

Triad

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



49.0904, 45.8134, 56.7076



42.8610, 45.8134, 35.1533



39.0679, 45.8134, 60.5005

Complementary

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



49.0904, 45.8134, 56.7076



46.8327, 55.2224, 52.4492

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.



38.0405, 45.8134, 51.8761



49.0904, 45.8134, 56.7076



40.1641, 45.8134, 37.7415

Square

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



49.0904, 45.8134, 56.7076



45.8662, 45.8134, 36.1315



38.4324, 45.8134, 43.6292



41.3020, 45.8134, 66.7439

Rectangle

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



49.0904, 45.8134, 56.7076



48.9232, 45.8134, 42.7669



38.4324, 45.8134, 43.6292



38.5748, 45.8134, 57.7476

Sweetspot

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



49.0917, 45.8154, 56.7086



90.4397, 91.8624, 104.0244



44.7552, 43.4328, 63.1520



19.2240, 19.4268, 22.1217



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.



49.0917, 45.8154, 56.7086



79.0015, 71.8909, 91.2563



47.3524, 45.1197, 47.5495



11.5224, 11.3377, 13.2854



18.5150, 9.2166, 15.6963



0.9895, 0.4892, 0.9904

Inverse Universe

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



49.0917, 45.8154, 56.7086



79.0015, 71.8909, 91.2563



48.6398, 55.9452, 61.9650



11.5224, 11.3377, 13.2854



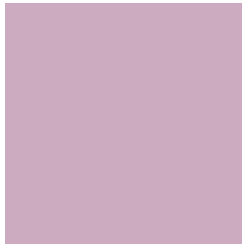
18.5150, 9.2166, 15.6963



0.9895, 0.4892, 0.9904

Previews

White Background



This preview shows how the XYZ color 49.0904, 45.8134, 56.7076 looks on a white background.

Color Contrast Check

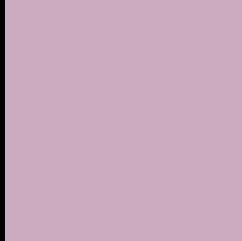
Large Text (above 18pt) WCAG AA × Fail

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 49.0904, 45.8134, 56.7076 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 49.0904, 45.8134, 56.7076

Background



This preview shows how black text looks on a background with the XYZ color 49.0904, 45.8134, 56.7076.



This preview shows how white text looks on a background with the XYZ color 49.0904, 45.8134,

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

49.0904, 45.8134, 56.7076

Protanopia

44.9035, 45.9011, 59.9192

Deuteranopia

46.8367, 45.8032, 56.2415



Tritanopia

48.2441, 45.7467, 52.7416

Trichromacy



Original Color

49.0904, 45.8134, 56.7076

Protanomaly

46.2282, 45.7276, 58.6144

Deuteranomaly

47.6764, 45.9482, 56.2252

Tritanomaly

48.5664, 45.8757, 54.4393

Monochromacy



Original Color

49.0904, 45.8134, 56.7076

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.5756, 46.9044, 53.6124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0904, 45.8134, 56.7076 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(204, 171, 193)` looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 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(204, 171, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.0904, 45.8134, 56.7076 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(204, 171, 193) }
```


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

```
.border{ border-color:rgb(204, 171, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 171, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 193);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0904, 45.8134, 56.7076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 193) }
```

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

```
.background{ background-color: rgb(204,  
171, 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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