

Converting Colors

XYZ(48.5403, 41.7713, 48.5690)

Have a look what the booklet for
XYZ(48.5403, 41.7713, 48.5690)
contains.

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Color

**XYZ(48.4456, 41.6712,
48.6700)**

Conversions

Conversions Part 1

Format	Color
Hex	D89CB4
RGB	216, 156, 180
RGB Percent	85%, 61%, 71%
CMY	0.1529, 0.3882, 0.2941
CMYK	0.00, 0.28, 0.17, 0.15
HSL	336°, 43%, 73%
HSV	336°, 28%, 85%
XYZ	48.4456, 41.6712, 48.6700
YIQ	176.6760, 28.0560, 20.1840

Conversions

Conversions Part 2

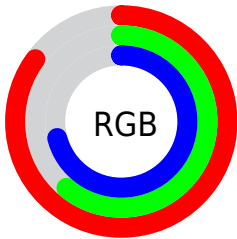
Format	Color
R _Y B	216, 156, 180
Decimal	14195892
CIE Lab	70.64, 25.94, -3.53
CIE LCh	71, 26.176, 352.240
Yxy	41.6712, 0.3491, 0.3003
Android (android.graphics.Color)	4292385972 (0xFFD89CB4)
YUV	176.6760, 1.6387, 34.4871
Hunter-Lab	64.5532, 20.9917, 0.4855

Details

The XYZ color **48.4456, 41.6712, 48.6700** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.7824, 59.9865, 58.9322**, and the grayscale version is **41.6025, 43.7691, 47.6645**.

A 20% lighter version of the original color is **79.6746, 73.9047, 89.4226**, and **23.2783, 18.9065, 22.5011** is the 20% darker color. If you saturate the color by 10%, you get **43.8791, 34.5530, 40.9354**, and if you desaturate by 10%, it is **53.7825, 50.1316, 57.2716**.

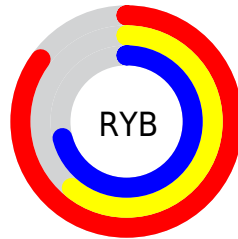
Distribution



Red (85%)

Green (61%)

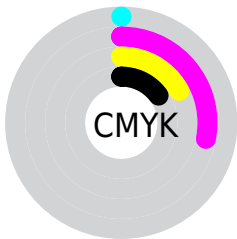
Blue (71%)



Red (85%)

Yellow (61%)

Blue (71%)

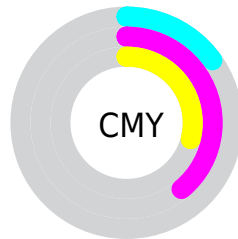


Cyan (0%)

Magenta (28%)

Yellow (17%)

Black (15%)



Cyan (15%)


Magenta (39%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4456, 41.6712, 48.6700 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 48.4456, 41.6712, 48.6700 by changing the saturation by 10% instead.


 48.4456, 41.6712,
48.6700


 48.4456, 41.6712,
48.6700


371.1089,
353.1181, 398.0268

 34.3926, 28.8439,
33.9940


 87.0732, 77.7018,
89.5770

 23.3597, 18.9628,
22.6117


 112.3785,
101.6738, 116.6452

 14.9815, 11.6434,
14.1044


142.1653,
130.1296, 148.6811

 8.8926, 6.5013,
8.0538

176.7989,
163.4535, 186.1034

 4.7278, 3.1523,
4.0411

216.6447,
202.0299, 229.3306

 2.1215, 1.2117,
1.6479

262.0681,

 0.7009, 0.0713,

246.2432, 278.7812

0.3247

313.4344,
296.4778, 334.8737

■ 0.0000, 0.0000,
0.0000

■ 48.4456, 41.6712,
48.6700

■ 48.4456, 41.6712,
48.6700

■ 43.8791, 34.5530,
40.9354

■ 53.7825, 50.1316,
57.2716

■ 40.0418, 28.7016,
34.0360

■ 59.9211, 59.9930,
66.7650

■ 36.8943, 24.0429,
27.9417

■ 66.8951, 71.3177,
77.1776

■ 34.3913, 20.4928,
22.6193

■ 74.7355, 84.1624,
88.5343

■ 32.4821, 17.9557,
18.0328

■ 80.5309, 92.6997,
99.8792

■ 31.1075, 16.3199,
14.1422

■ 82.1291, 93.3390,
108.2953

■ 30.1860, 15.4292,
10.8989

■ 30.0146, 15.2772,
10.2538

Harmonies

Analogous

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



46.5630, 41.6712, 61.6016



48.4456, 41.6712, 48.6700



47.8268, 41.6712, 36.9307

Triad

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



48.4456, 41.6712, 48.6700



36.5379, 41.6712, 26.6829



34.7232, 41.6712, 66.9625

Complementary

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



48.4456, 41.6712, 48.6700



47.7824, 59.9865, 58.9322

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.



32.3878, 41.6712, 55.0125



48.4456, 41.6712, 48.6700



33.3811, 41.6712, 32.2785

Square

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



48.4456, 41.6712, 48.6700



40.7424, 41.6712, 25.6055



31.9150, 41.6712, 42.2281



38.4934, 41.6712, 73.3467

Rectangle

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



48.4456, 41.6712, 48.6700



46.0984, 41.6712, 31.1534



31.9150, 41.6712, 42.2281



33.7560, 41.6712, 63.3698

Sweetspot

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



48.4468, 41.6731, 48.6709



86.9752, 86.9044, 96.7936



46.0230, 39.9435, 70.2504



18.3104, 18.1075, 20.2515



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.



48.4468, 41.6731, 48.6709



66.7345, 54.7132, 64.4892



47.2415, 42.8419, 37.2343



12.6270, 12.5023, 13.9759



17.8155, 9.0625, 6.3325



1.1148, 0.5627, 0.5942

Inverse Universe

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



48.4468, 41.6731, 48.6709



66.7345, 54.7132, 64.4892



49.1530, 58.1201, 73.5938



12.6270, 12.5023, 13.9759



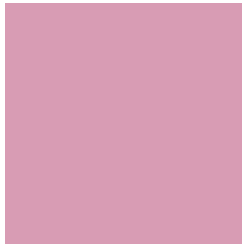
17.8155, 9.0625, 6.3325



1.1148, 0.5627, 0.5942

Previews

White Background



This preview shows how the XYZ color 48.4456, 41.6712, 48.6700 looks on a white background.

Color Contrast Check

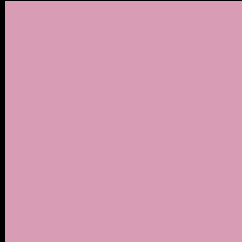
Large Text (above 18pt) WCAG AA × Fail

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 48.4456, 41.6712, 48.6700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

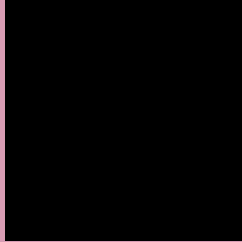
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4456, 41.6712, 48.6700

Background



This preview shows how black text looks on a background with the XYZ color 48.4456, 41.6712, 48.6700.



This preview shows how white text looks on a background with the XYZ color 48.4456, 41.6712,

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

48.4456, 41.6712, 48.6700

Protanopia

40.8414, 41.8807, 54.6464

Deuteranopia

42.7776, 41.9110, 47.9545



Tritanopia

47.5069, 41.8031, 43.5951

Trichromacy



Original Color

48.4456, 41.6712, 48.6700

Protanomaly

42.9927, 41.3824, 52.1760

Deuteranomaly

44.7008, 41.8114, 48.3622

Tritanomaly

47.7213, 41.6170, 45.5621

Monochromacy



Original Color

48.4456, 41.6712, 48.6700

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.7097, 42.6667, 48.0512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4456, 41.6712, 48.6700 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(216, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(216, 156, 180)  
}
```

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(216, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 156, 180) }
```

Border

The CSS property to change the border of an element to XYZ 48.4456, 41.6712, 48.6700 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(216, 156, 180) }
```


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

```
.border{ border-color:rgb(216, 156, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 156, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(216, 156,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4456, 41.6712, 48.6700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 156, 180) }
```

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

```
.background{ background-color: rgb(216,  
156, 180) }
```

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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