

Converting Colors

XYZ(46.7987, 42.0002, 49.9164)

Have a look what the booklet for
XYZ(46.7987, 42.0002, 49.9164)
contains.

XYZ(46.9205, 42.1325, 49.9154)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9205, 42.1325,
49.9154)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA1B6
RGB	207, 161, 182
RGB Percent	81%, 63%, 71%
CMY	0.1882, 0.3686, 0.2863
CMYK	0.00, 0.22, 0.12, 0.19
HSL	333°, 32%, 72%
HSV	333°, 22%, 81%
XYZ	46.9205, 42.1325, 49.9154
YIQ	177.1480, 20.6750, 16.2830

Conversions

Conversions Part 2

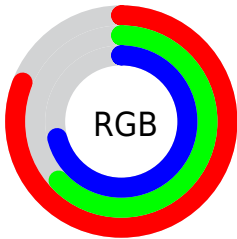
Format	Color
R _Y B	207, 161, 182
Decimal	13607350
CIE Lab	70.96, 20.33, -4.28
CIE LCh	71, 20.773, 348.114
Yxy	42.1325, 0.3376, 0.3032
Android (android.graphics.Color)	4291797430 (0xFFCFA1B6)
YUV	177.1480, 2.3920, 26.1802
Hunter-Lab	64.9096, 15.4387, -0.1573

Details

The XYZ color **46.9205, 42.1325, 49.9154** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8754, 55.7490, 54.7997**, and the grayscale version is **41.8489, 44.0283, 47.9468**.

A 20% lighter version of the original color is **81.2285, 76.5448, 91.3823**, and **22.3800, 19.1977, 23.2948** is the 20% darker color. If you saturate the color by 10%, you get **42.4820, 35.0416, 42.9280**, and if you desaturate by 10%, it is **52.0537, 50.4622, 57.5963**.

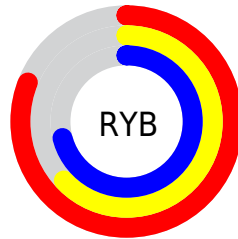
Distribution



Red (81%)

Green (63%)

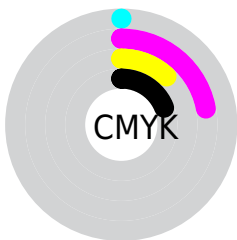
Blue (71%)



Red (81%)

Yellow (63%)

Blue (71%)

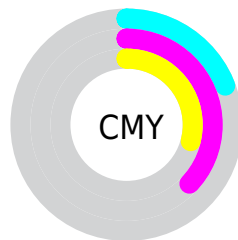


Cyan (0%)

Magenta (22%)

Yellow (12%)

Black (19%)



Cyan (19%)


Magenta (37%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9205, 42.1325, 49.9154 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 46.9205, 42.1325, 49.9154 by changing the saturation by 10% instead.


 46.9205, 42.1325,
49.9154


 46.9205, 42.1325,
49.9154


365.1513,
355.0319, 403.0606

 33.1805, 29.2051,
34.9755


 84.8144, 78.4001,
91.4445

 22.4246, 19.2360,
23.3606


 109.6990,
102.5091, 118.8708

 14.2876, 11.8409,
14.6522


139.0292,
131.1140, 151.2963

 8.4040, 6.6355,
8.4317

173.1703,
164.5993, 189.1395

 4.4085, 3.2352,
4.2807

212.4878,
203.3493, 232.8190

 1.9357, 1.2557,
1.7806

257.3468,

 0.5975, 0.1065,

247.7485, 282.7533

0.4151

308.1129,
298.1812, 339.3610

■ 0.0000, 0.0000,
0.0000

■ 46.9205, 42.1325,
49.9154

■ 46.9205, 42.1325,
49.9154

■ 42.4820, 35.0416,
42.9280

■ 52.0537, 50.4622,
57.5963

■ 38.7028, 29.1241,
36.6102

■ 57.9076, 60.0807,
65.9882

■ 35.5502, 24.3171,
30.9401

■ 64.5110, 71.0422,
75.1115

■ 32.9865, 20.5495,
25.8938

■ 71.8903, 83.3960,
84.9845

■ 30.9701, 17.7417,
21.4452

■ 76.9626, 90.9736,
94.5893

■ 29.4534, 15.8027,
17.5658

■ 78.6704, 91.6567,
103.5825

■ 28.3797, 14.6234,
14.2233

■ 79.5424, 92.0055,
108.1743

■ 27.7749, 14.0825,
11.9600

Harmonies

Analogous

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



45.2096, 42.1325, 59.8194



46.9205, 42.1325, 49.9154



46.7127, 42.1325, 40.1984

Triad

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



46.9205, 42.1325, 49.9154



38.0111, 42.1325, 30.0342



35.7630, 42.1325, 61.5851

Complementary

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



46.9205, 42.1325, 49.9154



45.8754, 55.7490, 54.7997

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.



34.0452, 42.1325, 52.0626



46.9205, 42.1325, 49.9154



35.2907, 42.1325, 34.2860

Square

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



46.9205, 42.1325, 49.9154



41.4326, 42.1325, 29.6317



33.8775, 42.1325, 42.0590



38.6900, 42.1325, 67.1780

Rectangle

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



46.9205, 42.1325, 49.9154



45.5157, 42.1325, 35.0837



33.8775, 42.1325, 42.0590



35.0325, 42.1325, 58.6794

Sweetspot

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



46.9217, 42.1344, 49.9163



88.0946, 88.5261, 99.0692



44.1455, 40.3775, 64.4990



18.7335, 18.7472, 21.0293



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.



46.9217, 42.1344, 49.9163



71.4303, 61.4810, 74.1432



45.1811, 41.8695, 39.4208



12.0299, 11.8967, 13.4334



17.5458, 8.8912, 7.7803



1.0209, 0.5131, 0.6446

Inverse Universe

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



46.9217, 42.1344, 49.9163



71.4303, 61.4810, 74.1432



47.9049, 55.9694, 67.3104



12.0299, 11.8967, 13.4334



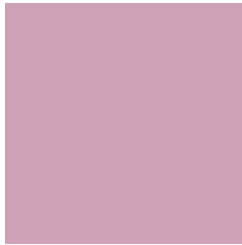
17.5458, 8.8912, 7.7803



1.0209, 0.5131, 0.6446

Previews

White Background



This preview shows how the XYZ color 46.9205, 42.1325, 49.9154 looks on a white background.

Color Contrast Check

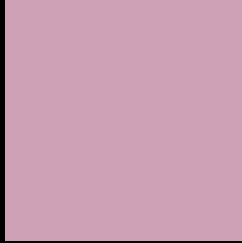
Large Text (above 18pt) WCAG AA × Fail

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 46.9205, 42.1325, 49.9154 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

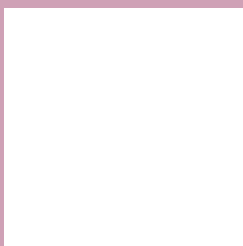
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9205, 42.1325, 49.9154

Background



This preview shows how black text looks on a background with the XYZ color 46.9205, 42.1325, 49.9154.



This preview shows how white text looks on a background with the XYZ color 46.9205, 42.1325,

49.9154.

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

46.9205, 42.1325, 49.9154

Protanopia

41.3625, 42.4455, 54.1569

Deuteranopia

43.2675, 42.4035, 49.6203



Tritanopia

46.1118, 42.0576, 46.2450

Trichromacy



Original Color

46.9205, 42.1325, 49.9154

Protanomaly

43.0585, 42.2354, 52.3372

Deuteranomaly

44.4824, 42.2107, 49.5191

Tritanomaly

46.4098, 42.1768, 47.8144

Monochromacy



Original Color

46.9205, 42.1325, 49.9154

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.4386, 43.0719, 48.6721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9205, 42.1325, 49.9154 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(207, 161, 182)` looks like.

```
.text, #text, p{  
    color:rgb(207, 161, 182)  
}
```

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(207, 161, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 161, 182) }
```

Border

The CSS property to change the border of an element to XYZ 46.9205, 42.1325, 49.9154 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(207, 161, 182) }
```


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

```
.border{ border-color:rgb(207, 161, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 161, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 161, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 161, 182);  
box-shadow:4px 4px 4px 4px rgb(207, 161,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9205, 42.1325, 49.9154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 161, 182) }
```

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

```
.background{ background-color: rgb(207,  
161, 182) }
```

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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