

# Converting Colors

XYZ(46.9451, 42.5209, 44.7628)

Have a look what the booklet for  
XYZ(46.9451, 42.5209, 44.7628)  
contains.

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# Color

**XYZ(46.9451, 42.5209,  
44.7628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2A2AC
RGB	210, 162, 172
RGB Percent	82%, 64%, 67%
CMY	0.1765, 0.3647, 0.3255
CMYK	0.00, 0.23, 0.18, 0.18
HSL	348°, 35%, 73%
HSV	348°, 23%, 82%
XYZ	46.9451, 42.5209, 44.7628
YIQ	177.4920, 25.3980, 13.2860

# Conversions

## Conversions Part 2

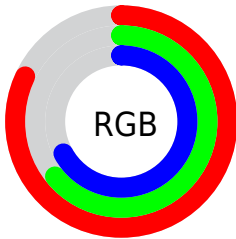
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 162, 172
Decimal	13804204
CIE <sub>Lab</sub>	71.23, 19.25, 1.68
CIE <sub>LCh</sub>	71, 19.322, 4.991
Yxy	42.5209, 0.3497, 0.3168
Android (android.graphics.Color)	4291994284 (0xFFD2A2AC)
YUV	177.4920, -2.7076, 28.5095
Hunter-Lab	65.2081, 14.3931, 4.9453

# Details

The XYZ color **46.9451, 42.5209, 44.7628** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.3740, 57.9458, 63.2816**, and the grayscale version is **42.0542, 44.2443, 48.1820**.

A 20% lighter version of the original color is **79.9180, 76.4318, 83.2137**, and **22.4837, 19.4765, 20.3436** is the 20% darker color. If you saturate the color by 10%, you get **42.0521, 35.1322, 35.7404**, and if you desaturate by 10%, it is **52.6580, 51.2289, 55.0452**.

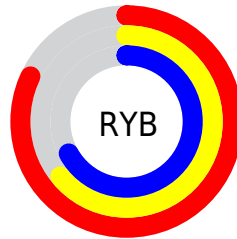
# Distribution



Red (82%)

Green (64%)

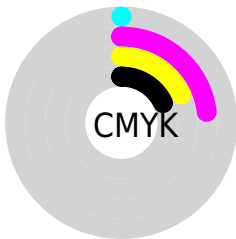
Blue (67%)



Red (82%)

Yellow (64%)

Blue (67%)

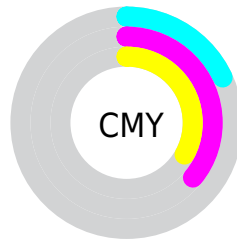


Cyan (0%)

Magenta (23%)

Yellow (18%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9451, 42.5209, 44.7628 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 46.9451, 42.5209, 44.7628 by changing the saturation by 10% instead.





 46.9451, 42.5209,  
44.7628


 46.9451, 42.5209,  
44.7628

365.2479,  
356.6377, 381.9441

 33.2000, 29.5094,  
30.9290


 84.8509, 78.9874,  
83.6790

 22.4397, 19.4665,  
20.2868

 109.7423,  
103.2111, 109.5986

 14.2987, 12.0078,  
12.4176

139.0800,  
131.9411, 140.3838

 8.4118, 6.7490,  
6.9027

173.2291,  
165.5616, 176.4533

 4.4136, 3.3056,  
3.3238

212.5551,  
204.4572, 218.2255

 1.9387, 1.2933,  
1.2623

257.4233,

 0.5992, 0.1360,

249.0121, 266.1190

0.0306

308.1992,  
299.6109, 320.5524

■ 0.0000, 0.0000,  
0.0000

■ 46.9451, 42.5209,  
44.7628

■ 46.9451, 42.5209,  
44.7628

■ 42.0521, 35.1322,  
35.7404

■ 52.6580, 51.2289,  
55.0452

■ 37.9374, 28.9926,  
27.9264

■ 59.2228, 61.3101,  
66.6311

■ 34.5613, 24.0345,  
21.2695

■ 66.6740, 72.8226,  
79.5653

■ 31.8786, 20.1814,  
15.7137

■ 75.0432, 85.8195,  
93.8895

■ 29.8396, 17.3475,  
11.1981

■ 80.3885, 92.4417,  
108.2139

■ 28.3872, 15.4348,  
7.6555

■ 27.4539, 14.3253,  
5.0104

■ 27.0282, 13.8816,  
3.6118

# Harmonies

## Analogous

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



46.3284, 42.5209, 54.2589



46.9451, 42.5209, 44.7628



45.7372, 42.5209, 36.8006

# Triad

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



46.9451, 42.5209, 44.7628



36.9461, 42.5209, 33.1640



37.8376, 42.5209, 64.4251

# Complementary

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



46.9451, 42.5209, 44.7628



48.3740, 57.9458, 63.2816

# 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.



35.5223, 42.5209, 57.3032



46.9451, 42.5209, 44.7628



35.0272, 42.5209, 39.1566

# Square

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



46.9451, 42.5209, 44.7628



39.8752, 42.5209, 30.6996



34.5201, 42.5209, 47.8680



40.9594, 42.5209, 66.4468



# Rectangle

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



46.9451, 42.5209, 44.7628



44.0958, 42.5209, 33.1665



34.5201, 42.5209, 47.8680



36.9446, 42.5209, 62.5055

# Sweetspot

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



46.9463, 42.5228, 44.7637



87.4250, 88.2582, 95.5432



48.2674, 42.7203, 66.6751



18.5787, 18.6852, 20.2141



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.



46.9463, 42.5228, 44.7637



69.3131, 60.6341, 62.9942



48.5484, 47.2061, 40.7378



11.9080, 11.8479, 12.7915



16.5165, 8.4795, 2.3603



0.9530, 0.4859, 0.2876



# Inverse Universe

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



46.9463, 42.5228, 44.7637



69.3131, 60.6341, 62.9942



46.3650, 51.9965, 68.5658



11.9080, 11.8479, 12.7915



16.5165, 8.4795, 2.3603



0.9530, 0.4859, 0.2876



# Previews

## White Background



This preview shows how the XYZ color 46.9451, 42.5209, 44.7628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

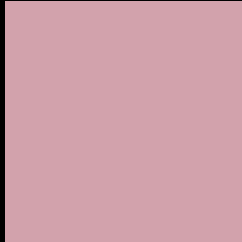
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9451, 42.5209, 44.7628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

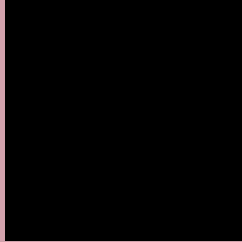
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.9451, 42.5209, 44.7628**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9451, 42.5209, 44.7628.



This preview shows how white text looks on a background with the XYZ color 46.9451, 42.5209,



# 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

46.9451, 42.5209, 44.7628

### Protanopia

41.4042, 42.8739, 48.7411

### Deuteranopia

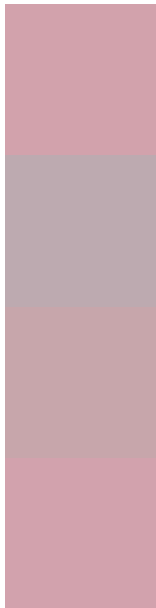
43.5310, 42.6537, 44.4667



## Tritanopia

47.1387, 42.5983, 45.7822

# Trichromacy



## Original Color

46.9451, 42.5209, 44.7628

## Protanomaly

43.1975, 42.7029, 47.0400

## Deuteranomaly

44.5401, 42.3548, 44.3559

## Tritanomaly

47.0415, 42.5594, 45.2706

# Monochromacy



## Original Color

46.9451, 42.5209, 44.7628

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

43.4767, 43.4190, 46.6467

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9451, 42.5209, 44.7628 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(210, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(210, 162, 172)  
}
```

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(210, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 162, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9451, 42.5209, 44.7628 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(210, 162, 172) }
```



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

```
.border{ border-color:rgb(210, 162, 172) }
```

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

Here you see how a box with a 4 pixel rgb(210, 162, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(210, 162,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9451, 42.5209, 44.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 162, 172) }
```

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

```
.background{ background-color: rgb(210,  
162, 172) }
```

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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