

Converting Colors

XYZ(45.2746, 42.6990, 46.9436)

Have a look what the booklet for
XYZ(45.2746, 42.6990, 46.9436)
contains.

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Color

**XYZ(45.2921, 42.6864,
46.9264)**

Conversions

Conversions Part 1

Format	Color
Hex	C8A6B0
RGB	200, 166, 176
RGB Percent	78%, 65%, 69%
CMY	0.2157, 0.3490, 0.3098
CMYK	0.00, 0.17, 0.12, 0.22
HSL	342°, 24%, 72%
HSV	342°, 17%, 78%
XYZ	45.2921, 42.6864, 46.9264
YIQ	177.3060, 17.0540, 10.3180

Conversions

Conversions Part 2

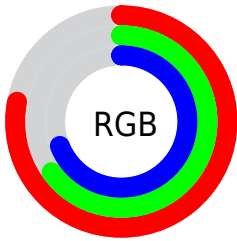
Format	Color
R _Y B	200, 166, 176
Decimal	13149872
CIE Lab	71.34, 14.07, -0.48
CIE LCh	71, 14.075, 358.036
Yxy	42.6864, 0.3357, 0.3164
Android (android.graphics.Color)	4291339952 (0xFFC8A6B0)
YUV	177.3060, -0.6439, 19.9026
Hunter-Lab	65.3348, 9.4057, 3.1496

Details

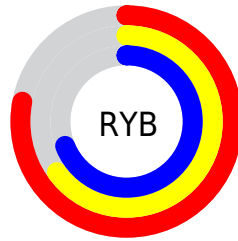
The XYZ color **45.2921, 42.6864, 46.9264** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.6761, 53.1343, 56.5664**, and the grayscale version is **41.9488, 44.1334, 48.0613**.

A 20% lighter version of the original color is **81.6619, 78.7991, 87.2496**, and **21.5095, 19.6009, 21.7185** is the 20% darker color. If you saturate the color by 10%, you get **40.6103, 35.4431, 38.8282**, and if you desaturate by 10%, it is **50.6870, 51.1223, 55.9803**.

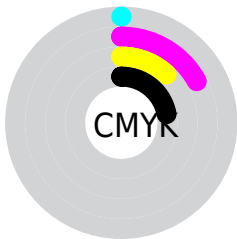
Distribution



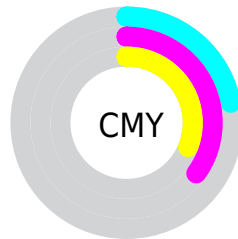
- Red (78%)
- Green (65%)
- Blue (69%)



- Red (78%)
- Yellow (65%)
- Blue (69%)



- Cyan (0%)
- Magenta (17%)
- Yellow (12%)
- Black (22%)





- Cyan (22%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2921, 42.6864, 46.9264 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 45.2921, 42.6864, 46.9264 by changing the saturation by 10% instead.


 45.2921, 42.6864,
46.9264


 45.2921, 42.6864,
46.9264


358.7191,
357.3205, 390.9059

 31.8898, 29.6391,
32.6235


 82.3929, 79.2374,
86.9526

 21.4325, 19.5648,
21.5695


 106.8222,
103.5100, 113.5130

 13.5548, 12.0791,
13.3456


135.6578,
132.2930, 144.9963

 7.8913, 6.7976,
7.5334

169.2652,
165.9711, 181.8211

 4.0767, 3.3358,
3.7144

208.0097,
204.9284, 224.4060

 1.7456, 1.3095,
1.4700

252.2566,

 0.4846, 0.1485,

249.5495, 273.1693

0.1954

302.3713,
300.2188, 328.5298

■ 0.0000, 0.0000,
0.0000

■ 45.2921, 42.6864,
46.9264

■ 45.2921, 42.6864,
46.9264

■ 40.6103, 35.4431,
38.8282

■ 50.6870, 51.1223,
55.9803

■ 36.6076, 29.3330,
31.6510

■ 56.8200, 60.7956,
66.0175

■ 33.2524, 24.2998,
25.3618

■ 63.7193, 71.7557,
77.0680

■ 30.5091, 20.2803,
19.9247

■ 71.4105, 84.0476,
89.1595

■ 28.3388, 17.2047,
15.3012

■ 76.3060, 90.4900,
101.1147

■ 26.6975, 14.9941,
11.4493

■ 77.6296, 91.0195,
108.0847

■ 25.5346, 13.5566,
8.3229

■ 24.7833, 12.7692,
5.8680

■ 24.6041, 12.5932,
5.2456

Harmonies

Analogous

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



44.5565, 42.6864, 53.7246



45.2921, 42.6864, 46.9264



44.7227, 42.6864, 40.6178

Triad

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



45.2921, 42.6864, 46.9264



38.4706, 42.6864, 35.8979



38.2105, 42.6864, 58.4346

Complementary

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



45.2921, 42.6864, 46.9264



45.6761, 53.1343, 56.5664

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.



36.6866, 42.6864, 52.8768



45.2921, 42.6864, 46.9264



36.8327, 42.6864, 39.9147

Square

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



45.2921, 42.6864, 46.9264



40.7283, 42.6864, 34.6322



36.1920, 42.6864, 46.0329



40.4164, 42.6864, 60.7577

Rectangle

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



45.2921, 42.6864, 46.9264



43.6917, 42.6864, 37.4456



36.1920, 42.6864, 46.0329



37.6047, 42.6864, 56.8578

Sweetspot

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



45.2933, 42.6883, 46.9273



89.7010, 91.5669, 100.1344



45.2483, 42.3660, 60.4367



19.0445, 19.3550, 21.1768



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.



45.2933, 42.6883, 46.9273



75.6185, 69.5600, 76.4560



45.6090, 44.8449, 42.3308



10.7600, 10.6874, 11.7196



15.6785, 8.0210, 3.5168



0.7747, 0.3927, 0.3365

Inverse Universe

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



45.2933, 42.6883, 46.9273



75.6185, 69.5600, 76.4560



45.2669, 50.5068, 62.0070



10.7600, 10.6874, 11.7196



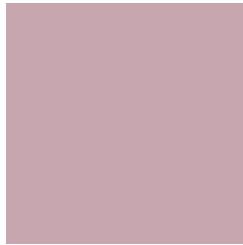
15.6785, 8.0210, 3.5168



0.7747, 0.3927, 0.3365

Previews

White Background



This preview shows how the XYZ color 45.2921, 42.6864, 46.9264 looks on a white background.

Color Contrast Check

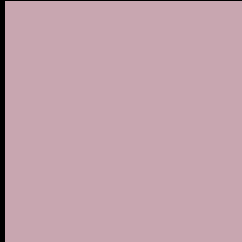
Large Text (above 18pt) WCAG AA × Fail

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 45.2921, 42.6864, 46.9264 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 45.2921, 42.6864, 46.9264

Background



This preview shows how black text looks on a background with the XYZ color 45.2921, 42.6864, 46.9264.



This preview shows how white text looks on a background with the XYZ color 45.2921, 42.6864,

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

45.2921, 42.6864, 46.9264

Protanopia

41.3810, 42.8384, 49.8037

Deuteranopia

43.4117, 42.5474, 46.4819



Tritanopia

45.4915, 42.7661, 47.9765

Trichromacy



Original Color

45.2921, 42.6864, 46.9264

Protanomaly

42.7072, 42.6948, 48.6378

Deuteranomaly

43.9886, 42.5697, 46.4558

Tritanomaly

45.3914, 42.7261, 47.4496

Monochromacy



Original Color

45.2921, 42.6864, 46.9264

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.8870, 43.3758, 47.7069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2921, 42.6864, 46.9264 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(200, 166, 176) looks like.

```
.text, #text, p{  
    color:rgb(200, 166, 176)  
}
```

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(200, 166, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 166, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.2921, 42.6864, 46.9264 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(200, 166, 176) }
```


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

```
.border{ border-color:rgb(200, 166, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 166, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 166, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 166, 176);  
box-shadow:4px 4px 4px 4px rgb(200, 166,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2921, 42.6864, 46.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 166, 176) }
```

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

```
.background{ background-color: rgb(200,  
166, 176) }
```

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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