

Converting Colors

XYZ(46.0112, 42.2935, 47.5471)

Have a look what the booklet for
XYZ(46.0112, 42.2935, 47.5471)
contains.

XYZ(45.9348, 42.2061, 47.3205)	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(45.9348, 42.2061,
47.3205)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA3B1
RGB	204, 163, 177
RGB Percent	80%, 64%, 69%
CMY	0.2000, 0.3608, 0.3059
CMYK	0.00, 0.20, 0.13, 0.20
HSL	340°, 29%, 72%
HSV	340°, 20%, 80%
XYZ	45.9348, 42.2061, 47.3205
YIQ	176.8550, 19.9420, 13.0460

Conversions

Conversions Part 2

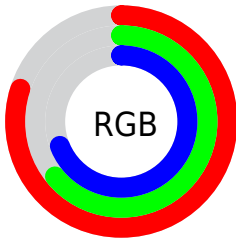
Format	Color
R _Y B	204, 163, 177
Decimal	13411249
CIE Lab	71.01, 17.32, -1.47
CIE LCh	71, 17.385, 355.146
Yxy	42.2061, 0.3391, 0.3116
Android (android.graphics.Color)	4291601329 (0xFFCCA3B1)
YUV	176.8550, 0.0715, 23.8062
Hunter-Lab	64.9662, 12.5187, 2.2903

Details

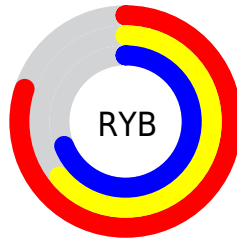
The XYZ color **45.9348, 42.2061, 47.3205** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.9931, 54.6910, 56.8501**, and the grayscale version is **41.7072, 43.8792, 47.7844**.

A 20% lighter version of the original color is **81.0194, 77.2860, 87.7383**, and **21.7170, 19.2137, 21.6328** is the 20% darker color. If you saturate the color by 10%, you get **41.3269, 35.0286, 39.4997**, and if you desaturate by 10%, it is **51.2612, 50.6086, 56.0324**.

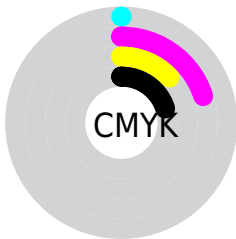
Distribution



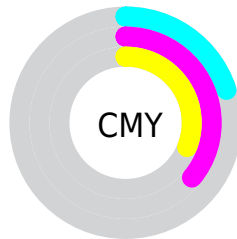
- Red (80%)
- Green (64%)
- Blue (69%)



- Red (80%)
- Yellow (64%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (13%)
- Black (20%)





- Cyan (20%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9348, 42.2061, 47.3205 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 45.9348, 42.2061, 47.3205 by changing the saturation by 10% instead.


 45.9348, 42.2061,
47.3205


 45.9348, 42.2061,
47.3205


361.2668,
355.3366, 392.5231

 32.3988, 29.2627,
32.9329


 83.3499, 78.5115,
87.5468

 21.8233, 19.2796,
21.8044


 107.9596,
102.6422, 114.2226

 13.8430, 11.8725,
13.5163


136.9914,
131.2709, 145.8317

 8.0925, 6.6569,
7.6501

170.8104,
164.7818, 182.7924

 4.2065, 3.2485,
3.7874

209.7821,
203.5595, 225.5233

 1.8196, 1.2628,
1.5094

254.2718,

 0.5294, 0.1121,

247.9882, 274.4431

0.2249

304.6449,
298.4525, 329.9702

■ 0.0000, 0.0000,
0.0000

■ 45.9348, 42.2061,
47.3205

■ 45.9348, 42.2061,
47.3205

■ 41.3269, 35.0286,
39.4997

■ 51.2612, 50.6086,
56.0324

■ 37.4022, 29.0131,
32.5379

■ 57.3323, 60.2841,
65.6605

■ 34.1277, 24.0993,
26.4052

■ 64.1772, 71.2849,
76.2323

■ 31.4660, 20.2192,
21.0684

■ 71.8226, 83.6587,
87.7732

■ 29.3759, 17.2974,
16.4921

■ 77.0182, 90.8999,
99.2160

■ 27.8106, 15.2478,
12.6377

■ 78.7120, 91.5774,
108.1354

■ 26.7153, 13.9688,
9.4623

■ 25.9963, 13.2752,
6.9282

Harmonies

Analogous

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



44.8697, 42.2061, 55.7036



45.9348, 42.2061, 47.3205



45.3803, 42.2061, 39.4953

Triad

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



45.9348, 42.2061, 47.3205



37.7916, 42.2061, 32.9570



37.0113, 42.2061, 60.3519

Complementary

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



45.9348, 42.2061, 47.3205



45.9931, 54.6910, 56.8501

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.



35.2747, 42.2061, 53.0838



45.9348, 42.2061, 47.3205



35.7098, 42.2061, 37.4162

Square

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



45.9348, 42.2061, 47.3205



40.5895, 42.2061, 31.8036



34.8099, 42.2061, 44.6166



39.6454, 42.2061, 63.7832

Rectangle

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



45.9348, 42.2061, 47.3205



44.1802, 42.2061, 35.5345



34.8099, 42.2061, 44.6166



36.3083, 42.2061, 58.2369

Sweetspot

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



45.9360, 42.2080, 47.3214



88.7816, 89.9916, 99.0158



45.1457, 41.4583, 62.7499



18.8629, 19.0390, 20.9705



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.



45.9360, 42.2080, 47.3214



72.7137, 64.6452, 72.7293



45.7300, 43.9154, 40.7190



11.3678, 11.2758, 12.4712



16.4018, 8.3713, 4.5685



0.8816, 0.4460, 0.4224

Inverse Universe

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



45.9360, 42.2080, 47.3214



72.7137, 64.6452, 72.7293



46.1645, 52.4669, 64.8211



11.3678, 11.2758, 12.4712



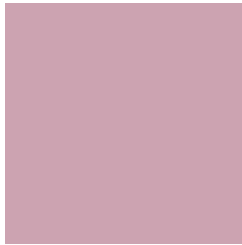
16.4018, 8.3713, 4.5685



0.8816, 0.4460, 0.4224

Previews

White Background



This preview shows how the XYZ color 45.9348, 42.2061, 47.3205 looks on a white background.

Color Contrast Check

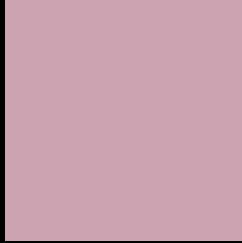
Large Text (above 18pt) WCAG AA × Fail

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 45.9348, 42.2061, 47.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

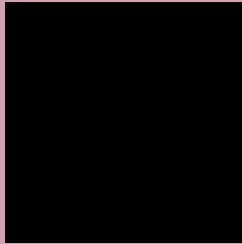
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9348, 42.2061, 47.3205

Background



This preview shows how black text looks on a background with the XYZ color 45.9348, 42.2061, 47.3205.



This preview shows how white text looks on a background with the XYZ color 45.9348, 42.2061,

47.3205.

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

45.9348, 42.2061, 47.3205

Protanopia

41.1700, 42.4200, 50.8177

Deuteranopia

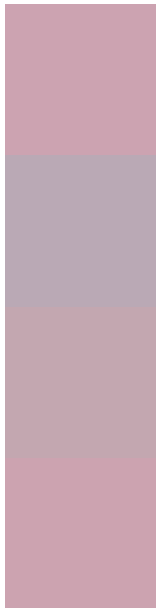
43.2596, 42.4577, 46.9894



Tritanopia

45.8355, 42.1663, 46.7974

Trichromacy



Original Color

45.9348, 42.2061, 47.3205

Protanomaly

42.7782, 42.1512, 49.5974

Deuteranomaly

44.1609, 42.3741, 46.9258

Tritanomaly

45.8355, 42.1663, 46.7974

Monochromacy



Original Color

45.9348, 42.2061, 47.3205

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.1819, 43.2442, 47.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9348, 42.2061, 47.3205 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, 163, 177)` looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 177)  
}
```

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, 163, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 177) }
```

Border

The CSS property to change the border of an element to XYZ 45.9348, 42.2061, 47.3205 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, 163, 177) }
```


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

```
.border{ border-color:rgb(204, 163, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 177);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9348, 42.2061, 47.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 177) }
```

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

```
.background{ background-color: rgb(204,  
163, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor