

Converting Colors

XYZ(47.3012, 45.0978, 47.2860)

Have a look what the booklet for
XYZ(47.3012, 45.0978, 47.2860)
contains.

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Color

**XYZ(47.3012, 45.0978,
47.2860)**

Conversions

Conversions Part 1

Format	Color
Hex	CCABBO
RGB	204, 171, 176
RGB Percent	80%, 67%, 69%
CMY	0.2000, 0.3294, 0.3098
CMYK	0.00, 0.16, 0.14, 0.20
HSL	351°, 24%, 74%
HSV	351°, 16%, 80%
XYZ	47.3012, 45.0978, 47.2860
YIQ	181.4370, 18.0630, 8.5510

Conversions

Conversions Part 2

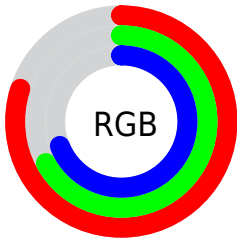
Format	Color
RYB	204, 171, 176
Decimal	13413296
CIELab	72.96, 12.80, 1.92
CIElCh	73, 12.941, 8.516
Yxy	45.0978, 0.3386, 0.3229
Android (android.graphics.Color)	4291603376 (0xFFCCABB0)
YUV	181.4370, -2.6804, 19.7878
Hunter-Lab	67.1549, 8.2071, 5.2604

Details

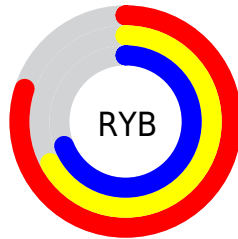
The XYZ color **47.3012, 45.0978, 47.2860** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **48.6980, 55.9682, 62.2718**, and the grayscale version is **44.1658, 46.4659, 50.6013**.

A 20% lighter version of the original color is **83.0018, 81.4789, 87.6963**, and **22.6293, 21.0384, 21.9369** is the 20% darker color. If you saturate the color by 10%, you get **42.1363, 37.3362, 37.6459**, and if you desaturate by 10%, it is **53.2818, 54.1402, 58.2768**.

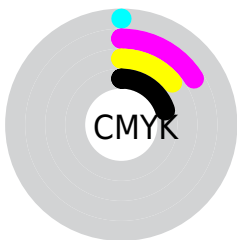
Distribution



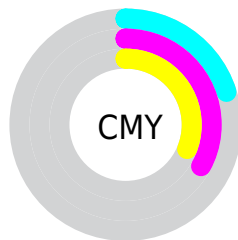
- Red (80%)
- Green (67%)
- Blue (69%)



- Red (80%)
- Yellow (67%)
- Blue (69%)



- Cyan (0%)
- Magenta (16%)
- Yellow (14%)
- Black (20%)




- Cyan (20%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3012, 45.0978, 47.2860 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 47.3012, 45.0978, 47.2860 by changing the saturation by 10% instead.


 47.3012, 45.0978,
47.2860

 47.3012, 45.0978,
47.2860

366.6444,
367.1695, 392.3817

 33.4828, 31.5345,
32.9058


 85.3791, 82.8672,
87.4948

 22.6575, 21.0062,
21.7838

110.3692,
107.8420, 114.1606

 14.4601, 13.1285,
13.5013

139.8139,
137.3894, 145.7586

 8.5252, 7.5171,
7.6399

174.0787,
171.8938, 182.7074

 4.4874, 3.7875,
3.7809

213.5287,
211.7396, 225.4256

 1.9814, 1.5554,
1.5060

258.5294,

 0.6235, 0.3273,

257.3113, 274.3317

0.2224

309.4462,
308.9931, 329.8442

0.0000, 0.0000,
0.0000

47.3012, 45.0978,
47.2860

47.3012, 45.0978,
47.2860

42.1363, 37.3362,
37.6459

53.2818, 54.1402,
58.2768

37.7479, 30.7917,
29.3013

60.1075, 64.5113,
70.6647

34.0993, 25.4042,
22.1976

67.8109, 76.2641,
84.4976

31.1492, 21.1062,
16.2751

76.4218, 89.4466,
99.8200

28.8524, 17.8231,
11.4691

78.7120, 91.5775,
108.1354

■ 27.1580, 15.4708,
7.7087

■ 26.0075, 13.9518,
4.9145

■ 25.3287, 13.1437,
2.9948

■ 25.1479, 12.9358,
2.4601

Harmonies

Analogous

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



47.0308, 45.0978, 53.7981



47.3012, 45.0978, 47.2860



46.3504, 45.0978, 41.7630

Triad

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



47.3012, 45.0978, 47.2860



40.2178, 45.0978, 40.0064



41.2942, 45.0978, 61.6018

Complementary

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



47.3012, 45.0978, 47.2860



48.6980, 55.9682, 62.2718

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.



39.5572, 45.0978, 57.2581



47.3012, 45.0978, 47.2860



38.9511, 45.0978, 44.6909

Square

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



47.3012, 45.0978, 47.2860



42.2246, 45.0978, 37.8085



38.7135, 45.0978, 50.9677



43.5101, 45.0978, 62.4508

Rectangle

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



47.3012, 45.0978, 47.2860



45.1709, 45.0978, 39.2484



38.7135, 45.0978, 50.9677



40.6372, 45.0978, 60.4848

Sweetspot

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



47.3025, 45.0998, 47.2870



89.4232, 91.4558, 98.6714



48.8841, 45.5614, 63.3449



18.9772, 19.3281, 20.8223



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.



47.3025, 45.0998, 47.2870



75.5670, 70.5171, 73.1706



48.9818, 49.2353, 45.4523



11.2804, 11.2409, 12.0113



15.8500, 8.1506, 1.6631



0.8403, 0.4295, 0.2049

Inverse Universe

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



47.3025, 45.0998, 47.2870



75.5670, 70.5171, 73.1706



46.7653, 51.1590, 64.5370



11.2804, 11.2409, 12.0113



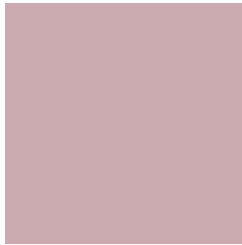
15.8500, 8.1506, 1.6631



0.8403, 0.4295, 0.2049

Previews

White Background



This preview shows how the XYZ color 47.3012, 45.0978, 47.2860 looks on a white background.

Color Contrast Check

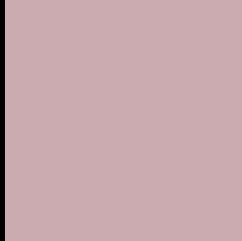
Large Text (above 18pt) WCAG AA × Fail

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 47.3012, 45.0978, 47.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

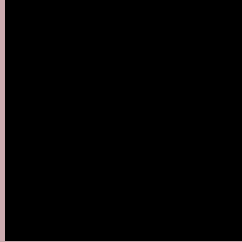
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3012, 45.0978, 47.2860

Background



This preview shows how black text looks on a background with the XYZ color 47.3012, 45.0978, 47.2860.



This preview shows how white text looks on a background with the XYZ color 47.3012, 45.0978,

47.2860.

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

47.3012, 45.0978, 47.2860

Protanopia

43.4500, 45.0812, 49.5915

Deuteranopia

46.0687, 45.0275, 47.3374



Tritanopia

48.0988, 45.1475, 50.9790

Trichromacy



Original Color

47.3012, 45.0978, 47.2860

Protanomaly

44.7019, 44.8618, 48.9510

Deuteranomaly

46.4084, 44.9190, 47.2985

Tritanomaly

47.7898, 45.0239, 49.3517

Monochromacy



Original Color

47.3012, 45.0978, 47.2860

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.8451, 45.5178, 49.0700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3012, 45.0978, 47.2860 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, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(204, 171, 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(204, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 171, 176) }
```

Border

The CSS property to change the border of an element to XYZ 47.3012, 45.0978, 47.2860 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, 171, 176) }
```


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

```
.border{ border-color:rgb(204, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(204, 171,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3012, 45.0978, 47.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 171, 176) }
```

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

```
.background{ background-color: rgb(204,  
171, 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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