

Converting Colors

XYZ(42.2339, 35.6794, 48.0178)

Have a look what the booklet for
XYZ(42.2339, 35.6794, 48.0178)
contains.

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Color

**XYZ(42.0309, 35.5212,
47.8210)**

Conversions

Conversions Part 1

Format	Color
Hex	C890B4
RGB	200, 144, 180
RGB Percent	78%, 56%, 71%
CMY	0.2157, 0.4353, 0.2941
CMYK	0.00, 0.28, 0.10, 0.22
HSL	321°, 34%, 67%
HSV	321°, 28%, 78%
XYZ	42.0309, 35.5212, 47.8210
YIQ	164.8480, 21.8200, 23.0680

Conversions

Conversions Part 2

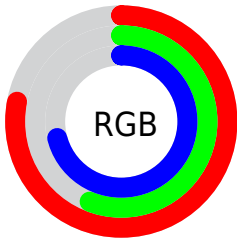
Format	Color
R _Y B	200, 144, 180
Decimal	13144244
CIE Lab	66.15, 26.83, -10.38
CIE LCh	66, 28.765, 338.841
Yxy	35.5212, 0.3352, 0.2833
Android (android.graphics.Color)	4291334324 (0xFFC890B4)
YUV	164.8480, 7.4699, 30.8283
Hunter-Lab	59.5997, 21.5824, -5.8528

Details

The XYZ color **42.0309, 35.5212, 47.8210** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **38.8582, 49.9192, 42.7116**, and the grayscale version is **35.6503, 37.5069, 40.8450**.

A 20% lighter version of the original color is **76.5744, 67.7043, 88.3892**, and **19.4222, 15.3807, 22.0238** is the 20% darker color. If you saturate the color by 10%, you get **38.5569, 29.7076, 43.1649**, and if you desaturate by 10%, it is **46.0811, 42.4262, 52.8551**.

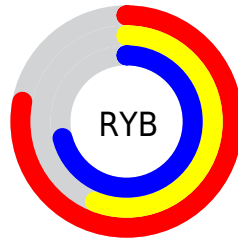
Distribution



Red (78%)

Green (56%)

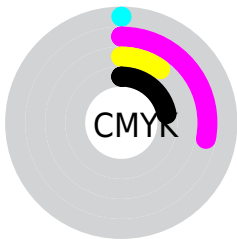
Blue (71%)



Red (78%)

Yellow (56%)

Blue (71%)

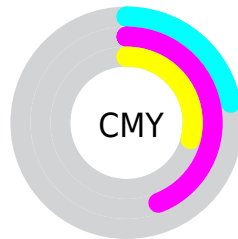


Cyan (0%)

Magenta (28%)

Yellow (10%)

Black (22%)



Cyan (22%)


Magenta (44%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0309, 35.5212, 47.8210 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 42.0309, 35.5212, 47.8210 by changing the saturation by 10% instead.


 42.0309, 35.5212,
47.8210


 42.0309, 35.5212,
47.8210


345.6005,
326.8629, 394.5704

 29.3167, 24.0646,
33.3262


 77.5113, 68.2924,
88.3006

 19.4660, 15.3816,
22.1033


 101.0081, 90.3758,
115.1225

 12.1135, 9.0876,
13.7338


128.8299,
116.7704, 146.8904

 6.8938, 4.7984,
7.7991

161.3420,
147.8603, 184.0230

 3.4415, 2.1295,
3.8807

198.9098,
184.0302, 226.9387

 1.3913, 0.6811,
1.5601

241.8985,

 0.2500, 0.0000,

225.6643, 276.0562

0.2621

290.6736,
273.1471, 331.7939

■ 0.0000, 0.0000,
0.0000

■ 42.0309, 35.5212,
47.8210

■ 42.0309, 35.5212,
47.8210

■ 38.5569, 29.7076,
43.1649

■ 46.0811, 42.4262,
52.8551

■ 35.6272, 24.9237,
38.8720

■ 50.7311, 50.4705,
58.2765

■ 33.2111, 21.1092,
34.9300

■ 56.0071, 59.7050,
64.0969

■ 31.2740, 18.1951,
31.3241

■ 61.9327, 70.1760,
70.3269

■ 29.7763, 16.1035,
28.0384

■ 68.5301, 81.9273,
76.9763

■ 28.6718, 14.7431,
25.0543

■ 72.8802, 89.1197,
83.0746

■ 27.8922, 13.9780,
22.3460

■ 73.8632, 89.5129,
88.2510

■ 27.7534, 13.8530,
21.8294

■ 74.8874, 89.9226,
93.6440

■ 75.9531, 90.3489,
99.2561

Harmonies

Analogous

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



39.1893, 35.5212, 60.0866



42.0309, 35.5212, 47.8210



42.5620, 35.5212, 35.1670

Triad

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



42.0309, 35.5212, 47.8210



32.5131, 35.5212, 19.7525



27.7502, 35.5212, 55.4169

Complementary

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



42.0309, 35.5212, 47.8210



38.8582, 49.9192, 42.7116

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.



26.2669, 35.5212, 42.4122



42.0309, 35.5212, 47.8210



28.8601, 35.5212, 23.0730

Square

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



42.0309, 35.5212, 47.8210



36.8197, 35.5212, 20.6006



26.6554, 35.5212, 30.7791



30.8781, 35.5212, 65.0764

Rectangle

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



42.0309, 35.5212, 47.8210



41.4941, 35.5212, 28.3871



26.6554, 35.5212, 30.7791



27.0552, 35.5212, 51.1930

Sweetspot

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



42.0320, 35.5228, 47.8217



87.7328, 87.2074, 100.7830



35.6276, 31.9686, 58.9369



18.5011, 18.1838, 21.2559



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.



42.0320, 35.5228, 47.8217



68.7572, 54.7598, 77.4906



39.4943, 34.5077, 34.4588



10.9161, 10.7498, 12.5413



17.6904, 8.8257, 14.1115



0.8713, 0.4314, 0.8453

Inverse Universe

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



42.0320, 35.5228, 47.8217



68.7572, 54.7598, 77.4906



41.6272, 51.0268, 57.2931



10.9161, 10.7498, 12.5413



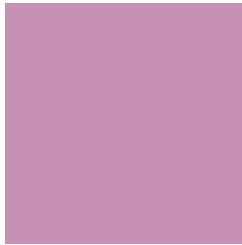
17.6904, 8.8257, 14.1115



0.8713, 0.4314, 0.8453

Previews

White Background



This preview shows how the XYZ color 42.0309, 35.5212, 47.8210 looks on a white background.

Color Contrast Check

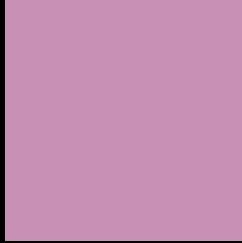
Large Text (above 18pt) WCAG AA × Fail

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 42.0309, 35.5212, 47.8210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

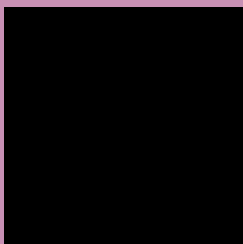
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0309, 35.5212, 47.8210

Background



This preview shows how black text looks on a background with the XYZ color 42.0309, 35.5212, 47.8210.



This preview shows how white text looks on a background with the XYZ color 42.0309, 35.5212,

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

42.0309, 35.5212, 47.8210

Protanopia

35.3826, 35.8279, 53.7658

Deuteranopia

36.4550, 35.7633, 47.1011



Tritanopia

39.8739, 35.5533, 37.5618

Trichromacy



Original Color

42.0309, 35.5212, 47.8210

Protanomaly

37.2131, 35.3143, 51.3094

Deuteranomaly

38.1873, 35.4144, 47.4708

Tritanomaly

40.6975, 35.6632, 41.2979

Monochromacy



Original Color

42.0309, 35.5212, 47.8210

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.6728, 36.4812, 43.0862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0309, 35.5212, 47.8210 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, 144, 180)` looks like.

```
.text, #text, p{  
    color:rgb(200, 144, 180)  
}
```

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, 144, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 144, 180) }
```

Border

The CSS property to change the border of an element to XYZ 42.0309, 35.5212, 47.8210 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, 144, 180) }
```


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

```
.border{ border-color:rgb(200, 144, 180) }
```

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

Here you see how a box with a 4 pixel rgb(200, 144, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 144, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 144, 180);  
box-shadow:4px 4px 4px 4px rgb(200, 144,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0309, 35.5212, 47.8210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 144, 180) }
```

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

```
.background{ background-color: rgb(200,  
144, 180) }
```

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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