

Converting Colors

XYZ(38.9908, 28.3171, 48.8203)

Have a look what the booklet for
XYZ(38.9908, 28.3171, 48.8203)
contains.

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Color

**XYZ(38.9845, 28.3690,
48.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	C974B8
RGB	201, 116, 184
RGB Percent	79%, 45%, 72%
CMY	0.2118, 0.5451, 0.2784
CMYK	0.00, 0.42, 0.08, 0.21
HSL	312°, 44%, 62%
HSV	312°, 42%, 79%
XYZ	38.9845, 28.3690, 48.7685
YIQ	149.1670, 28.8320, 39.1680

Conversions

Conversions Part 2

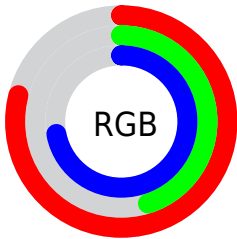
Format	Color
R _Y B	201, 116, 184
Decimal	13202616
CIE Lab	60.22, 42.96, -21.61
CIE LCh	60, 48.087, 333.298
Yxy	28.3690, 0.3357, 0.2443
Android (android.graphics.Color)	4291392696 (0xFFC974B8)
YUV	149.1670, 17.1727, 45.4575
Hunter-Lab	53.2626, 37.4402, -17.0036

Details

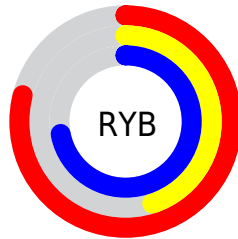
The XYZ color **38.9845, 28.3690, 48.7685** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **32.3240, 47.1806, 29.5953**, and the grayscale version is **28.5597, 30.0470, 32.7212**.

A 20% lighter version of the original color is **71.3429, 56.3007, 89.5450**, and **17.6072, 11.3252, 22.7307** is the 20% darker color. If you saturate the color by 10%, you get **36.4981, 24.0605, 45.8901**, and if you desaturate by 10%, it is **41.9860, 33.6873, 51.8782**.

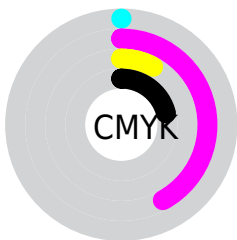
Distribution



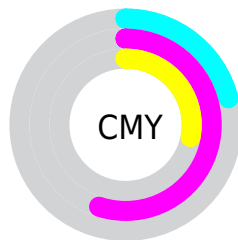
- Red (79%)
- Green (45%)
- Blue (72%)



- Red (79%)
- Yellow (45%)
- Blue (72%)



- Cyan (0%)
- Magenta (42%)
- Yellow (8%)
- Black (21%)





- Cyan (21%)
- Magenta (55%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9845, 28.3690, 48.7685 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 38.9845, 28.3690, 48.7685 by changing the saturation by 10% instead.

 38.9845, 28.3690,
48.7685

 38.9845, 28.3690,
48.7685


333.0329,
294.2260, 398.4265


 26.9283, 18.6040,
34.0716

 72.9089, 57.0730,
89.7250

 17.6557, 11.3845,
22.6708


 95.5078, 76.7809,
116.8216

 10.8013, 6.3261,
14.1476


 122.3516,
100.5717, 148.8885

 5.9997, 3.0444,
8.0835

153.8058,
128.8301, 186.3442

 2.8855, 1.1549,
4.0599

190.2357,
161.9403, 229.6074

 1.0935, 0.0244,
1.6582

232.0066,

 0.0197, 0.0000,

200.2867, 279.0964

0.3319

279.4839,
244.2538, 335.2299

■ 0.0000, 0.0000,
0.0000

■ 38.9845, 28.3690,
48.7685

■ 38.9845, 28.3690,
48.7685

■ 36.4981, 24.0605,
45.8901

■ 41.9860, 33.6873,
51.8782

■ 34.4912, 20.6927,
43.2299

■ 45.5295, 40.0711,
55.2280

■ 32.9282, 18.1937,
40.7758


■ 49.6437, 47.5765,
58.8279


■ 31.7670, 16.4797,
38.5133


■ 54.3540, 56.2546,
62.6871


■ 30.9574, 15.4504,
36.4250


■ 59.6845, 66.1533,
66.8140

 30.5029, 14.9837,
34.9096

 65.6579, 77.3179,
71.2166

 71.7492, 88.6983,
75.7204

 72.2633, 88.9039,
78.4275

 72.7901, 89.1146,
81.2016

Harmonies

Analogous

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



34.0002, 28.3690, 68.7826



38.9845, 28.3690, 48.7685



40.5956, 28.3690, 28.9790

Triad

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



38.9845, 28.3690, 48.7685



26.2885, 28.3690, 7.8974



18.2291, 28.3690, 53.4947

Complementary

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



38.9845, 28.3690, 48.7685



32.3240, 47.1806, 29.5953

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.



16.7867, 28.3690, 32.8811



38.9845, 28.3690, 48.7685



20.9722, 28.3690, 10.3317

Square

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



38.9845, 28.3690, 48.7685



32.6417, 28.3690, 9.4200



17.7094, 28.3690, 18.0202



21.9859, 28.3690, 72.1631

Rectangle

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



38.9845, 28.3690, 48.7685



39.3658, 28.3690, 19.3250



17.7094, 28.3690, 18.0202



17.4858, 28.3690, 46.3350

Sweetspot

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



38.9854, 28.3703, 48.7691



84.3222, 80.2232, 100.1483



26.4622, 21.6959, 58.0519



17.6967, 16.5274, 21.1344



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.



38.9854, 28.3703, 48.7691



62.7086, 41.5711, 78.8393



35.1789, 26.8477, 28.7243



10.9887, 10.7789, 12.9236



19.2121, 9.4344, 22.1245



0.9335, 0.4562, 1.1729

Inverse Universe

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



38.9854, 28.3703, 48.7691



62.7086, 41.5711, 78.8393



35.8773, 48.6019, 48.3067



10.9887, 10.7789, 12.9236



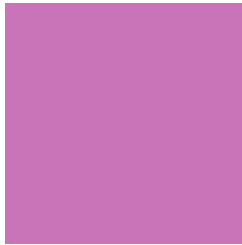
19.2121, 9.4344, 22.1245



0.9335, 0.4562, 1.1729

Previews

White Background



This preview shows how the XYZ color 38.9845, 28.3690, 48.7685 looks on a white background.

Color Contrast Check

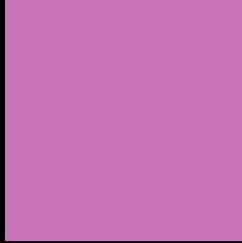
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9845, 28.3690, 48.7685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

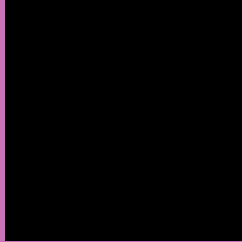
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9845, 28.3690, 48.7685

Background



This preview shows how black text looks on a background with the XYZ color 38.9845, 28.3690, 48.7685.



This preview shows how white text looks on a background with the XYZ color 38.9845, 28.3690,

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

38.9845, 28.3690, 48.7685

Protanopia

29.7451, 28.8663, 61.7616

Deuteranopia

29.2868, 28.7392, 46.6515



Tritanopia

34.4105, 28.3014, 26.9416

Trichromacy



Original Color

38.9845, 28.3690, 48.7685

Protanomaly

31.9296, 27.9514, 56.5356

Deuteranomaly

32.0379, 28.0038, 47.4328

Tritanomaly

35.7353, 28.0893, 33.6753

Monochromacy



Original Color

38.9845, 28.3690, 48.7685

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.6157, 28.8248, 38.0798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9845, 28.3690, 48.7685 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(201, 116, 184)` looks like.

```
.text, #text, p{  
    color:rgb(201, 116, 184)  
}
```

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(201, 116, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 116, 184) }
```

Border

The CSS property to change the border of an element to XYZ 38.9845, 28.3690, 48.7685 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(201, 116, 184) }
```


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

```
.border{ border-color:rgb(201, 116, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 116, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 116, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 116, 184);  
box-shadow:4px 4px 4px 4px rgb(201, 116,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9845, 28.3690, 48.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 116, 184) }
```

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

```
.background{ background-color: rgb(201,  
116, 184) }
```

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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