

Converting Colors

XYZ(52.4208, 48.2781, 70.9377)

Have a look what the booklet for
XYZ(52.4208, 48.2781, 70.9377)
contains.

XYZ(52.4976, 48.4036, 70.8659)	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(52.4976, 48.4036,
70.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAFD7
RGB	204, 175, 215
RGB Percent	80%, 69%, 84%
CMY	0.2000, 0.3137, 0.1569
CMYK	0.05, 0.19, 0.00, 0.16
HSL	283°, 33%, 76%
HSV	283°, 19%, 84%
XYZ	52.4976, 48.4036, 70.8659
YIQ	188.2310, 4.4440, 18.5880

Conversions

Conversions Part 2

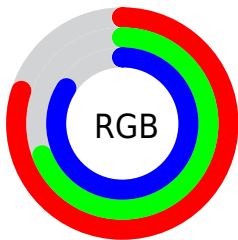
Format	Color
RYB	204, 175, 215
Decimal	13414359
CIELab	75.08, 17.66, -16.29
CIELCh	75, 24.025, 317.307
Yxy	48.4036, 0.3056, 0.2818
Android (android.graphics.Color)	4291604439 (0xFFCCAFD7)
YUV	188.2310, 13.1971, 13.8294
Hunter-Lab	69.5727, 12.9389, -11.6912

Details

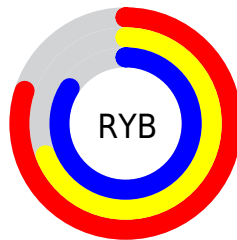
The XYZ color **52.4976, 48.4036, 70.8659** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.2896, 62.1363, 49.7973**, and the grayscale version is **47.8580, 50.3504, 54.8316**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **25.8824, 22.9412, 36.3216** is the 20% darker color. If you saturate the color by 10%, you get **47.0521, 39.8722, 69.5069**, and if you desaturate by 10%, it is **58.6738, 58.3033, 72.4520**.

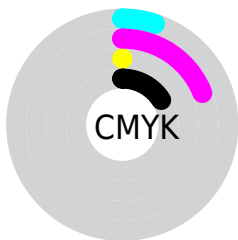
Distribution



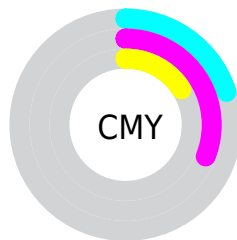
- Red (80%)
- Green (69%)
- Blue (84%)



- Red (80%)
- Yellow (69%)
- Blue (84%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4976, 48.4036, 70.8659 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 52.4976, 48.4036, 70.8659 by changing the saturation by 10% instead.


 52.4976, 48.4036,
70.8659

 52.4976, 48.4036,
70.8659


386.6471,
380.3897, 482.4555

 37.6277, 34.1466,
51.7516


 93.0346, 87.8050,
122.1354

 25.8698, 23.0063,
36.4262


119.4324,
113.7182, 155.1278

 16.8584, 14.5981,
24.4713


150.4035,
144.2857, 193.5832

 10.2283, 8.5378,
15.4682

186.3134,
179.8917, 237.9202

 5.6140, 4.4410,
8.9983

227.5273,
220.9207, 288.5574

 2.6502, 1.9232,
4.6433

274.4107,

 0.9716, 0.5623,

267.7571, 345.9134

1.9845

327.3288,
320.7853, 410.4066

■ 0.0000, 0.0000,
0.5457

■ 0.0000, 0.0000,
0.0000

■ 52.4976, 48.4036,
70.8659

■ 52.4976, 48.4036,
70.8659

■ 47.0521, 39.8722,
69.5069

■ 58.6738, 58.3033,
72.4520

■ 42.3007, 32.6396,
68.3613

■ 65.6064, 69.6242,
74.2717

■ 38.2103, 26.6395,
67.4188

■ 73.3249, 82.4239,
76.3355

■ 34.7429, 21.7973,
66.6669

■ 79.9106, 92.8635,
78.0034

■ 31.8566, 18.0300,
66.0918

■ 81.8149, 93.8452,
78.0926

■ 29.5037, 15.2433,
65.6780

■ 83.7840, 94.8603,
78.1847

■ 27.6282, 13.3264,
65.4068

■ 85.8184, 95.9091,
78.2799

■ 26.1448, 12.1096,
65.2501

■ 87.9187, 96.9919,
78.3782

■ 25.9520, 11.9618,
65.2318

■ 89.2659, 97.6864,
78.4413

Harmonies

Analogous

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



48.5649, 48.4036, 79.3352



52.4976, 48.4036, 70.8659



54.7478, 48.4036, 58.1991

Triad

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



52.4976, 48.4036, 70.8659



47.8871, 48.4036, 32.4518



38.4042, 48.4036, 60.2320

Complementary

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



52.4976, 48.4036, 70.8659



52.2896, 62.1363, 49.7973

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.



38.2484, 48.4036, 47.5649



52.4976, 48.4036, 70.8659



43.5389, 48.4036, 32.8180

Square

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



52.4976, 48.4036, 70.8659



51.9743, 48.4036, 36.8483



40.0732, 48.4036, 37.9438



40.5134, 48.4036, 72.5568

Rectangle

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



52.4976, 48.4036, 70.8659



54.9027, 48.4036, 49.6862



40.0732, 48.4036, 37.9438



38.1267, 48.4036, 55.8401

Sweetspot

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



52.4991, 48.4057, 70.8670



88.8308, 89.8344, 107.2656



47.5760, 49.2807, 71.2953



18.8739, 19.0015, 22.9228



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.



52.4991, 48.4057, 70.8670



74.2405, 66.4713, 103.5251



54.5369, 49.5815, 65.3020



12.6045, 12.4531, 15.6769



15.6291, 7.2096, 39.0210



1.0206, 0.4750, 2.3572

Inverse Universe

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



52.2188, 48.6543, 53.0954



73.8199, 66.9326, 72.8666



50.5981, 61.1628, 54.3053



12.5622, 12.4764, 13.6347



17.2747, 8.8462, 3.4847



1.0769, 0.5475, 0.3942

Previews

White Background



This preview shows how the XYZ color 52.4976, 48.4036, 70.8659 looks on a white background.

Color Contrast Check

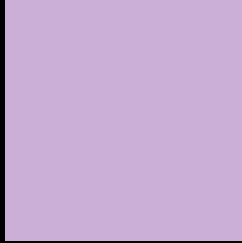
Large Text (above 18pt) WCAG AA × Fail

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 52.4976, 48.4036, 70.8659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

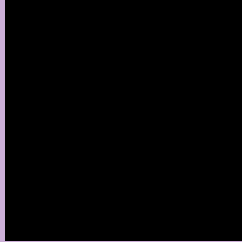
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.4976, 48.4036, 70.8659

Background



This preview shows how black text looks on a background with the XYZ color 52.4976, 48.4036, 70.8659.



This preview shows how white text looks on a background with the XYZ color 52.4976, 48.4036,

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

52.4976, 48.4036, 70.8659

Protanopia

48.1161, 48.4345, 75.2194

Deuteranopia

49.4451, 48.3164, 70.3383



Tritanopia

49.8331, 48.5080, 57.1886

Trichromacy



Original Color

52.4976, 48.4036, 70.8659

Protanomaly

49.6010, 48.3218, 73.7306

Deuteranomaly

50.3061, 48.1652, 70.2637

Tritanomaly

50.8201, 48.6144, 61.9633

Monochromacy



Original Color

52.4976, 48.4036, 70.8659

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.3747, 49.4135, 60.3615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4976, 48.4036, 70.8659 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, 175, 215)` looks like.

```
.text, #text, p{  
    color:rgb(204, 175, 215)  
}
```

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, 175, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 175, 215) }
```

Border

The CSS property to change the border of an element to XYZ 52.4976, 48.4036, 70.8659 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, 175, 215) }
```


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

```
.border{ border-color:rgb(204, 175, 215) }
```

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

Here you see how a box with a 4 pixel rgb(204, 175, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 175, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 175, 215);  
box-shadow:4px 4px 4px 4px rgb(204, 175,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4976, 48.4036, 70.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 175, 215) }
```

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

```
.background{ background-color: rgb(204,  
175, 215) }
```

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