

Converting Colors

XYZ(40.5663, 33.4362, 48.3812)

Have a look what the booklet for
XYZ(40.5663, 33.4362, 48.3812)
contains.

XYZ(40.5579, 33.4247, 48.5699)	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(40.5579, 33.4247,
48.5699)**

Conversions

Conversions Part 1

Format	Color
Hex	C58AB6
RGB	197, 138, 182
RGB Percent	77%, 54%, 71%
CMY	0.2274, 0.4588, 0.2863
CMYK	0.00, 0.30, 0.08, 0.23
HSL	315°, 34%, 66%
HSV	315°, 30%, 77%
XYZ	40.5579, 33.4247, 48.5699
YIQ	160.6570, 21.0400, 26.1920

Conversions

Conversions Part 2

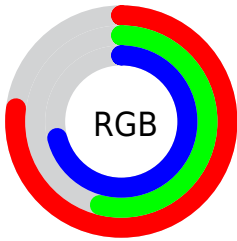
Format	Color
R_{YB}	197, 138, 182
Decimal	12946102
CIE Lab	64.50, 29.43, -14.02
CIE LCh	65, 32.598, 334.535
Yxy	33.4247, 0.3309, 0.2727
Android (android.graphics.Color)	4291136182 (0xFFC58AB6)
YUV	160.6570, 10.5221, 31.8728
Hunter-Lab	57.8141, 24.0471, -9.3399

Details

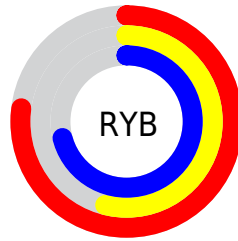
The XYZ color **40.5579, 33.4247, 48.5699** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.1986, 47.6366, 37.4260**, and the grayscale version is **33.6640, 35.4172, 38.5693**.

A 20% lighter version of the original color is **75.1553, 64.9432, 89.4631**, and **18.5260, 14.1522, 22.5241** is the 20% darker color. If you saturate the color by 10%, you get **37.4756, 28.0732, 45.0342**, and if you desaturate by 10%, it is **44.1734, 39.8119, 52.3754**.

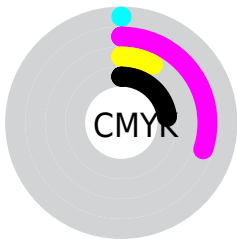
Distribution



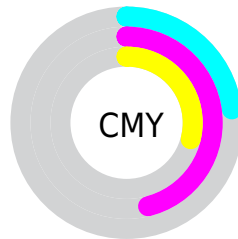
- Red (77%)
- Green (54%)
- Blue (71%)



- Red (77%)
- Yellow (54%)
- Blue (71%)



- Cyan (0%)
- Magenta (30%)
- Yellow (8%)
- Black (23%)





- Cyan (23%)
- Magenta (46%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5579, 33.4247, 48.5699 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 40.5579, 33.4247, 48.5699 by changing the saturation by 10% instead.


 40.5579, 33.4247,
48.5699


 40.5579, 33.4247,
48.5699

339.5637,
317.5591, 397.6203


 28.1599, 22.4520,
33.9152


 75.2913, 65.0380,
89.4267

 18.5873, 14.1894,
22.5516


 98.3574, 86.4474,
116.4659

 11.4747, 8.2525,
14.0606


 125.7103,
112.1045, 148.4703

 6.4567, 4.2569,
8.0236

157.7153,
142.3937, 185.8586

 3.1680, 1.8183,
4.0221

194.7378,
177.6994, 229.0492

 1.2432, 0.4985,
1.6375

237.1431,

 0.1401, 0.0000,

218.4059, 278.4606

0.3173

285.2966,
264.8977, 334.5115

■ 0.0000, 0.0000,
0.0000

■ 40.5579, 33.4247,
48.5699

■ 40.5579, 33.4247,
48.5699

■ 37.4756, 28.0732,
45.0342

■ 44.1734, 39.8119,
52.3754

■ 34.8954, 23.6973,
41.7561

■ 48.3449, 47.2815,
56.4581

■ 32.7879, 20.2377,
38.7249

■ 53.0975, 55.8831,
60.8277

■ 31.1192, 17.6268,
35.9285

■ 58.4538, 65.6617,
65.4927

■ 29.8504, 15.7876,
33.3529

■ 64.4353, 76.6599,
70.4611

■ 28.9361, 14.6291,
30.9819

■ 70.6766, 88.1466,
75.6119

■ 28.2890, 13.9774,
28.7855

■ 71.3187, 88.4034,
78.9931

■ 28.2857, 13.9743,
28.7742

■ 71.9806, 88.6682,
82.4784

■ 72.6624, 88.9409,
86.0688

Harmonies

Analogous

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



37.1201, 33.4247, 61.8680



40.5579, 33.4247, 48.5699



41.5567, 33.4247, 34.4038

Triad

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



40.5579, 33.4247, 48.5699



31.0665, 33.4247, 16.3494



24.9495, 33.4247, 52.9520

Complementary

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



40.5579, 33.4247, 48.5699



36.1986, 47.6366, 37.4260

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.



23.6534, 33.4247, 38.4591



40.5579, 33.4247, 48.5699



26.9589, 33.4247, 19.0934

Square

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



40.5579, 33.4247, 48.5699



35.7765, 33.4247, 17.8047



24.3517, 33.4247, 26.4444



28.0729, 33.4247, 64.8009

Rectangle

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



40.5579, 33.4247, 48.5699



40.6303, 33.4247, 26.7506



24.3517, 33.4247, 26.4444



24.3003, 33.4247, 48.1139

Sweetspot

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



40.5589, 33.4262, 48.5706



87.2353, 85.8512, 101.7305



32.2578, 28.9580, 56.7131



18.4192, 17.9206, 21.5352



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.



40.5589, 33.4262, 48.5706



68.8899, 53.3323, 82.7538



37.8448, 32.3406, 34.2782



10.9634, 10.7688, 12.7908



18.6399, 9.2055, 19.1113



0.9106, 0.4471, 1.0525

Inverse Universe

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



40.5589, 33.4262, 48.5706



68.8899, 53.3323, 82.7538



38.9180, 48.7244, 51.7461



10.9634, 10.7688, 12.7908



18.6399, 9.2055, 19.1113



0.9106, 0.4471, 1.0525

Previews

White Background



This preview shows how the XYZ color 40.5579, 33.4247, 48.5699 looks on a white background.

Color Contrast Check

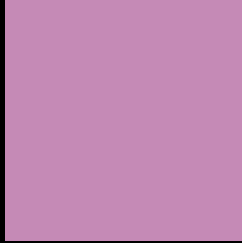
Large Text (above 18pt) WCAG AA × Fail

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 40.5579, 33.4247, 48.5699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

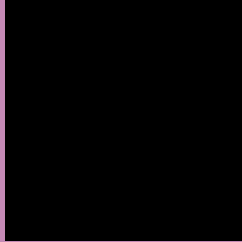
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5579, 33.4247, 48.5699

Background



This preview shows how black text looks on a background with the XYZ color 40.5579, 33.4247, 48.5699.



This preview shows how white text looks on a background with the XYZ color 40.5579, 33.4247,

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

40.5579, 33.4247, 48.5699

Protanopia

33.6717, 33.6336, 55.7562

Deuteranopia

34.2259, 33.6142, 47.3321



Tritanopia

37.6475, 33.3155, 35.0181

Trichromacy



Original Color

40.5579, 33.4247, 48.5699

Protanomaly

35.7676, 33.3196, 53.2614

Deuteranomaly

36.2837, 33.4738, 47.7287

Tritanomaly

38.4739, 33.1994, 39.5023

Monochromacy



Original Color

40.5579, 33.4247, 48.5699

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.0082, 34.6457, 42.3256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5579, 33.4247, 48.5699 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(197, 138, 182)` looks like.

```
.text, #text, p{  
    color:rgb(197, 138, 182)  
}
```

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(197, 138, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 138, 182) }
```

Border

The CSS property to change the border of an element to XYZ 40.5579, 33.4247, 48.5699 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(197, 138, 182) }
```


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

```
.border{ border-color:rgb(197, 138, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 138, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 138, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 138, 182);  
box-shadow:4px 4px 4px 4px rgb(197, 138,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5579, 33.4247, 48.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 138, 182) }
```

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

```
.background{ background-color: rgb(197,  
138, 182) }
```

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