

Converting Colors

XYZ(39.9899, 33.3376, 45.1421)

Have a look what the booklet for
XYZ(39.9899, 33.3376, 45.1421)
contains.

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Color

**XYZ(40.0950, 33.4701,
45.4214)**

Conversions

Conversions Part 1

Format	Color
Hex	C58BB0
RGB	197, 139, 176
RGB Percent	77%, 55%, 69%
CMY	0.2274, 0.4549, 0.3098
CMYK	0.00, 0.29, 0.11, 0.23
HSL	322°, 33%, 66%
HSV	322°, 29%, 77%
XYZ	40.0950, 33.4701, 45.4214
YIQ	160.5600, 22.6910, 23.8030

Conversions

Conversions Part 2

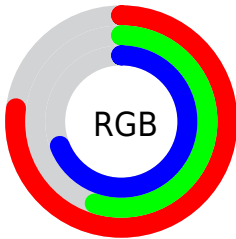
Format	Color
RYB	197, 139, 176
Decimal	12946352
CIELab	64.54, 27.84, -10.58
CIElCh	65, 29.778, 339.195
Yxy	33.4701, 0.3370, 0.2813
Android (android.graphics.Color)	4291136432 (0xFFC58BB0)
YUV	160.5600, 7.6119, 31.9579
Hunter-Lab	57.8533, 22.4653, -6.0520

Details

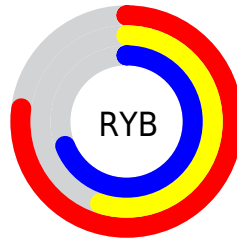
The XYZ color **40.0950, 33.4701, 45.4214** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.9602, 47.9604, 40.5691**, and the grayscale version is **33.6316, 35.3830, 38.5321**.

A 20% lighter version of the original color is **74.5085, 65.0370, 84.9703**, and **18.2202, 14.1603, 20.5118** is the 20% darker color. If you saturate the color by 10%, you get **36.8083, 27.9963, 40.9348**, and if you desaturate by 10%, it is **43.9348, 39.9897, 50.2761**.

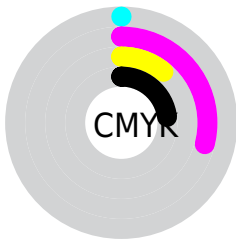
Distribution



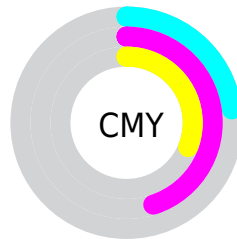
- Red (77%)
- Green (55%)
- Blue (69%)



- Red (77%)
- Yellow (55%)
- Blue (69%)



- Cyan (0%)
- Magenta (29%)
- Yellow (11%)
- Black (23%)





- Cyan (23%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0950, 33.4701, 45.4214 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 40.0950, 33.4701, 45.4214 by changing the saturation by 10% instead.


 40.0950, 33.4701,
45.4214


 40.0950, 33.4701,
45.4214

337.6514,
317.7627, 384.6873


 27.7972, 22.4868,
31.4441


 74.5916, 65.1088,
84.6775

 18.3125, 14.2150,
20.6760


 97.5210, 86.5330,
110.7935

 11.2756, 8.2704,
12.6984


 124.7251,
112.2062, 141.7927

 6.3212, 4.2684,
7.0929

156.5690,
142.5130, 178.0938

 3.0839, 1.8248,
3.4410

193.4183,
177.8376, 220.1153

 1.1983, 0.5026,
1.3240

235.6382,

 0.1050, 0.0000,

218.5645, 268.2757

0.0813

283.5941,
265.0781, 322.9935

■ 0.0000, 0.0000,
0.0000

■ 40.0950, 33.4701,
45.4214

■ 40.0950, 33.4701,
45.4214

■ 36.8083, 27.9963,
40.9348

■ 43.9348, 39.9897,
50.2761

■ 34.0435, 23.5083,
36.8020

■ 48.3507, 47.6019,
55.5082

■ 31.7708, 19.9469,
33.0106

■ 53.3682, 56.3561,
61.1293

■ 29.9560, 17.2449,
29.5464

■ 59.0102, 66.2974,
67.1495

■ 28.5604, 15.3256,
26.3933

■ 65.2984, 77.4683,
73.5786

■ 27.5383, 14.0986,
23.5332

■ 71.5460, 88.4944,
80.1903

■ 26.8084, 13.4025,
20.9357

■ 72.5045, 88.8778,
85.2374

■ 26.7707, 13.3682,
20.7960

■ 73.5037, 89.2774,
90.4990

■ 74.5441, 89.6936,
95.9776

Harmonies

Analogous

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



37.2713, 33.4701, 57.8007



40.0950, 33.4701, 45.4214



40.5972, 33.4701, 32.8239

Triad

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



40.0950, 33.4701, 45.4214



30.5221, 33.4701, 17.8528



25.8802, 33.4701, 53.3584

Complementary

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



40.0950, 33.4701, 45.4214



36.9602, 47.9604, 40.5691

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.



24.3960, 33.4701, 40.3194



40.0950, 33.4701, 45.4214



26.9142, 33.4701, 21.1255

Square

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



40.0950, 33.4701, 45.4214



34.8096, 33.4701, 18.6265



24.7569, 33.4701, 28.7338



28.9922, 33.4701, 63.0469

Rectangle

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



40.0950, 33.4701, 45.4214



39.5074, 33.4701, 26.1616



24.7569, 33.4701, 28.7338



25.1876, 33.4701, 49.1173

Sweetspot

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



40.0960, 33.4716, 45.4221



86.8514, 85.6977, 99.7088



33.6697, 29.8998, 56.8204



18.3244, 17.8827, 21.0355



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.



40.0960, 33.4716, 45.4221



68.1074, 53.7523, 76.3739



37.5813, 32.4657, 32.1801



10.9138, 10.7489, 12.5294



17.6494, 8.8093, 13.8953



0.8695, 0.4306, 0.8360

Inverse Universe

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



40.0960, 33.4716, 45.4221



68.1074, 53.7523, 76.3739



39.7243, 49.0661, 55.1244



10.9138, 10.7489, 12.5294



17.6494, 8.8093, 13.8953



0.8695, 0.4306, 0.8360

Previews

White Background



This preview shows how the XYZ color 40.0950, 33.4701, 45.4214 looks on a white background.

Color Contrast Check

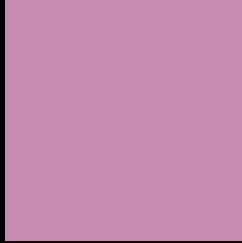
Large Text (above 18pt) WCAG AA × Fail

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 40.0950, 33.4701, 45.4214 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 40.0950, 33.4701, 45.4214

Background



This preview shows how black text looks on a background with the XYZ color 40.0950, 33.4701, 45.4214.



This preview shows how white text looks on a background with the XYZ color 40.0950, 33.4701,

45.4214.

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

40.0950, 33.4701, 45.4214

Protanopia

33.2687, 33.5146, 51.7292

Deuteranopia

34.2439, 33.6921, 44.2335



Tritanopia

37.9033, 33.4473, 35.0301

Trichromacy



Original Color

40.0950, 33.4701, 45.4214

Protanomaly

35.2310, 33.1293, 49.3375

Deuteranomaly

36.1344, 33.4659, 44.5995

Tritanomaly

38.7003, 33.5567, 38.6198

Monochromacy



Original Color

40.0950, 33.4701, 45.4214

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.7297, 34.5343, 40.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0950, 33.4701, 45.4214 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, 139, 176)` looks like.

```
.text, #text, p{  
    color:rgb(197, 139, 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(197, 139, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 139, 176) }
```

Border

The CSS property to change the border of an element to XYZ 40.0950, 33.4701, 45.4214 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, 139, 176) }
```


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

```
.border{ border-color:rgb(197, 139, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 139, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 139, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 139, 176);  
box-shadow:4px 4px 4px 4px rgb(197, 139,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0950, 33.4701, 45.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 139, 176) }
```

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

```
.background{ background-color: rgb(197,  
139, 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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