

Converting Colors

XYZ(40.7899, 36.3609, 45.2040)

Have a look what the booklet for
XYZ(40.7899, 36.3609, 45.2040)
contains.

XYZ(40.8923, 36.3772, 45.4237)	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(40.8923, 36.3772,
45.4237)**

Conversions

Conversions Part 1

Format	Color
Hex	C296AF
RGB	194, 150, 175
RGB Percent	76%, 59%, 69%
CMY	0.2392, 0.4117, 0.3137
CMYK	0.00, 0.23, 0.10, 0.24
HSL	326°, 27%, 67%
HSV	326°, 23%, 76%
XYZ	40.8923, 36.3772, 45.4237
YIQ	166.0060, 18.1990, 17.1030

Conversions

Conversions Part 2

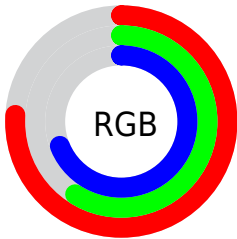
Format	Color
RYB	194, 150, 175
Decimal	12752559
CIELab	66.81, 20.53, -6.67
CIElCh	67, 21.589, 342.003
Yxy	36.3772, 0.3333, 0.2965
Android (android.graphics.Color)	4290942639 (0xFFC296AF)
YUV	166.0060, 4.4340, 24.5507
Hunter-Lab	60.3135, 15.4736, -2.4334

Details

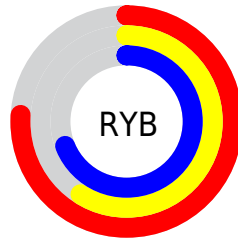
The XYZ color **40.8923, 36.3772, 45.4237** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.0323, 47.9330, 44.7331**, and the grayscale version is **36.2224, 38.1088, 41.5005**.

A 20% lighter version of the original color is **75.8003, 69.4645, 85.0142**, and **18.8522, 15.9292, 20.8199** is the 20% darker color. If you saturate the color by 10%, you get **37.2518, 30.3721, 40.2758**, and if you desaturate by 10%, it is **45.0984, 43.4309, 51.0129**.

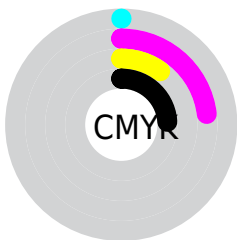
Distribution



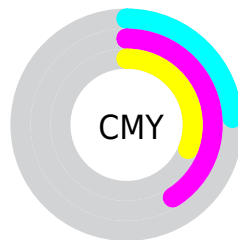
- Red (76%)
- Green (59%)
- Blue (69%)



- Red (76%)
- Yellow (59%)
- Blue (69%)



- Cyan (0%)
- Magenta (23%)
- Yellow (10%)
- Black (24%)



- Cyan (24%)
- Magenta (41%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8923, 36.3772, 45.4237 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 40.8923, 36.3772, 45.4237 by changing the saturation by 10% instead.

■ 40.8923, 36.3772,
45.4237

■ 40.8923, 36.3772,
45.4237

340.9406,
330.6062, 384.6969

■ 28.4222, 24.7257,
31.4459

■ 75.7961, 69.6139,
84.6810

■ 18.7863, 15.8728,
20.6773

■ 98.9606, 91.9678,
110.7977

■ 11.6190, 9.4342,
12.6994

126.4206,
118.6579, 141.7976

■ 6.5552, 5.0254,
7.0936

158.5414,
150.0687, 178.0995

■ 3.2293, 2.2622,
3.4414

195.6885,
186.5846, 220.1219

■ 1.2762, 0.7536,
1.3242

238.2271,

■ 0.1653, 0.0000,

228.5898, 268.2832

0.0815

286.5227,
276.4689, 323.0020

■ 0.0000, 0.0000,
0.0000

■ 40.8923, 36.3772,
45.4237

■ 40.8923, 36.3772,
45.4237

■ 37.2518, 30.3721,
40.2758

■ 45.0984, 43.4309,
51.0129

■ 34.1478, 25.3601,
35.5537

■ 49.8914, 51.5757,
57.0536

■ 31.5529, 21.2876,
31.2441

■ 55.2953, 60.8576,
63.5585

■ 29.4361, 18.0943,
27.3317

■ 61.3315, 71.3185,
70.5391

■ 27.7629, 15.7126,
23.8003

■ 68.0208, 82.9981,
78.0062

■ 26.4937, 14.0648,
20.6313

■ 71.6355, 88.4403,
84.7214

■ 25.5812, 13.0583,
17.8039

■ 72.8088, 88.9096,
90.8996

■ 25.0748, 12.6000,
15.9256

■ 74.0389, 89.4017,
97.3775

■ 75.3267, 89.9168,
104.1590

Harmonies

Analogous

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



38.9460, 36.3772, 54.5177



40.8923, 36.3772, 45.4237



41.0825, 36.3772, 35.9882

Triad

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



40.8923, 36.3772, 45.4237



33.2871, 36.3772, 24.5046



30.1196, 36.3772, 52.8900

Complementary

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



40.8923, 36.3772, 45.4237



39.0323, 47.9330, 44.7331

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.



28.7945, 36.3772, 43.4640



40.8923, 36.3772, 45.4237



30.5447, 36.3772, 27.7003

Square

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



40.8923, 36.3772, 45.4237



36.5504, 36.3772, 24.8594



28.9451, 36.3772, 34.3122



32.6729, 36.3772, 59.2732

Rectangle

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



40.8923, 36.3772, 45.4237



40.1735, 36.3772, 30.8289



28.9451, 36.3772, 34.3122



29.5232, 36.3772, 49.9145

Sweetspot

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



40.8934, 36.3788, 45.4245



86.4067, 86.6510, 98.4122



36.8649, 34.0711, 55.6727



18.8045, 18.7756, 21.4031



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.



40.8934, 36.3788, 45.4245



70.8298, 60.5090, 77.7685



38.9608, 35.6058, 35.2476



10.3075, 10.1716, 11.7100



16.5276, 8.3008, 10.6906



0.7481, 0.3723, 0.6411

Inverse Universe

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



40.8934, 36.3788, 45.4245



70.8298, 60.5090, 77.7685



41.2013, 48.8007, 56.1549



10.3075, 10.1716, 11.7100



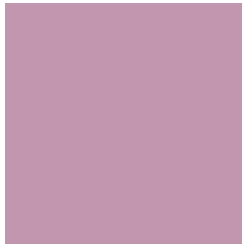
16.5276, 8.3008, 10.6906



0.7481, 0.3723, 0.6411

Previews

White Background



This preview shows how the XYZ color 40.8923, 36.3772, 45.4237 looks on a white background.

Color Contrast Check

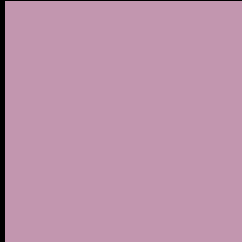
Large Text (above 18pt) WCAG AA × Fail

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 40.8923, 36.3772, 45.4237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

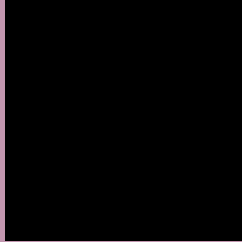
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8923, 36.3772, 45.4237

Background



This preview shows how black text looks on a background with the XYZ color 40.8923, 36.3772, 45.4237.



This preview shows how white text looks on a background with the XYZ color 40.8923, 36.3772,

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

40.8923, 36.3772, 45.4237

Protanopia

35.8610, 36.6916, 49.4481

Deuteranopia

37.2252, 36.4695, 44.6125



Tritanopia

39.9214, 36.4743, 40.0581

Trichromacy



Original Color

40.8923, 36.3772, 45.4237

Protanomaly

37.3768, 36.4790, 47.7190

Deuteranomaly

38.4174, 36.3224, 45.0305

Tritanomaly

40.1268, 36.2978, 41.9371

Monochromacy



Original Color

40.8923, 36.3772, 45.4237

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.6367, 37.2363, 42.7398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8923, 36.3772, 45.4237 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(194, 150, 175)` looks like.

```
.text, #text, p{  
    color:rgb(194, 150, 175)  
}
```

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(194, 150, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 150, 175) }
```

Border

The CSS property to change the border of an element to XYZ 40.8923, 36.3772, 45.4237 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(194, 150, 175) }
```


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

```
.border{ border-color:rgb(194, 150, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 150, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 150, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 150, 175);  
box-shadow:4px 4px 4px 4px rgb(194, 150,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8923, 36.3772, 45.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 150, 175) }
```

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

```
.background{ background-color: rgb(194,  
150, 175) }
```

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