

Converting Colors

XYZ(47.6621, 45.1639, 51.3377)

Have a look what the booklet for
XYZ(47.6621, 45.1639, 51.3377)
contains.

XYZ(47.8432, 45.2830, 51.5663)	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(47.8432, 45.2830,
51.5663)**

Conversions

Conversions Part 1

Format	Color
Hex	CBABB8
RGB	203, 171, 184
RGB Percent	80%, 67%, 72%
CMY	0.2039, 0.3294, 0.2784
CMYK	0.00, 0.16, 0.09, 0.20
HSL	336°, 24%, 73%
HSV	336°, 16%, 80%
XYZ	47.8432, 45.2830, 51.5663
YIQ	182.0500, 14.8990, 10.8270

Conversions

Conversions Part 2

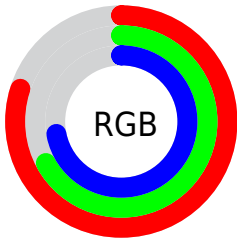
Format	Color
R _Y B	203, 171, 184
Decimal	13347768
CIE Lab	73.08, 13.78, -2.31
CIE LCh	73, 13.975, 350.475
Yxy	45.2830, 0.3307, 0.3130
Android (android.graphics.Color)	4291537848 (0xFFCBABB8)
YUV	182.0500, 0.9614, 18.3732
Hunter-Lab	67.2926, 9.1464, 1.6710

Details

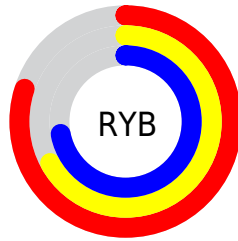
The XYZ color **47.8432, 45.2830, 51.5663** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.4465, 55.0886, 56.8502**, and the grayscale version is **44.4809, 46.7974, 50.9624**.

A 20% lighter version of the original color is **84.1645, 81.9440, 93.8189**, and **23.0880, 21.2219, 24.3521** is the 20% darker color. If you saturate the color by 10%, you get **43.0892, 37.7114, 44.0109**, and if you desaturate by 10%, it is **53.2963, 54.0794, 59.8871**.

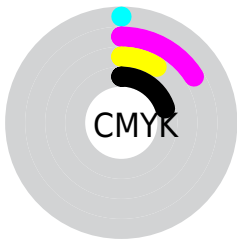
Distribution



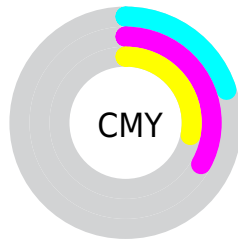
- Red (80%)
- Green (67%)
- Blue (72%)



- Red (80%)
- Yellow (67%)
- Blue (72%)



- Cyan (0%)
- Magenta (16%)
- Yellow (9%)
- Black (20%)





- Cyan (20%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8432, 45.2830, 51.5663 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 47.8432, 45.2830, 51.5663 by changing the saturation by 10% instead.

 47.8432, 45.2830,
51.5663

 47.8432, 45.2830,
51.5663


368.7632,
367.9185, 409.6692

 33.9135, 31.6804,
36.2796


 86.1820, 83.1449,
93.9114

 22.9897, 21.1175,
24.3588

111.3218,
108.1730, 121.8069

 14.7066, 13.2099,
15.3854


140.9290,
137.7784, 154.7424

 8.6987, 7.5733,
8.9407

175.3689,
172.3455, 193.1364

 4.6007, 3.8231,
4.6062

215.0069,
212.2586, 237.4076

 2.0473, 1.5751,
1.9635

260.2084,

 0.6603, 0.3407,

257.9023, 287.9744

0.5327

311.3387,
309.6608, 345.2555

■ 0.0000, 0.0000,
0.0000

■ 47.8432, 45.2830,
51.5663

■ 47.8432, 45.2830,
51.5663

■ 43.0892, 37.7114,
44.0109

■ 53.2963, 54.0794,
59.8871

■ 39.0011, 31.3041,
37.1950

■ 59.4724, 64.1458,
68.9924

■ 35.5485, 26.0041,
31.0954

■ 66.3988, 75.5324,
78.9041

■ 32.6971, 21.7474,
25.6863

■ 74.1003, 88.2850,
89.6423

■ 30.4091, 18.4636,
20.9402

■ 76.7595, 90.7649,
99.2795

■ 28.6422, 16.0730,
16.8272

■ 78.4388, 91.4366,
108.1226

■ 27.3477, 14.4834,
13.3146

■ 26.4657, 13.5808,
10.3649

■ 26.1692, 13.3128,
9.2644

Harmonies

Analogous

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



46.7678, 45.2830, 58.3765



47.8432, 45.2830, 51.5663



47.5946, 45.2830, 44.7457

Triad

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



47.8432, 45.2830, 51.5663



41.4171, 45.2830, 37.7410



40.1181, 45.2830, 60.4328

Complementary

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



47.8432, 45.2830, 51.5663



47.4465, 55.0886, 56.8502

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.



38.7859, 45.2830, 54.1649



47.8432, 45.2830, 51.5663



39.5160, 45.2830, 41.2264

Square

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



47.8432, 45.2830, 51.5663



43.8225, 45.2830, 37.1875



38.5698, 45.2830, 47.1117



42.2672, 45.2830, 63.8057

Rectangle

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



47.8432, 45.2830, 51.5663



46.7149, 45.2830, 41.0748



38.5698, 45.2830, 47.1117



39.5633, 45.2830, 58.5682

Sweetspot

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



47.8445, 45.2850, 51.5673



89.9214, 91.6551, 101.2949



46.4961, 44.3441, 62.6091



19.0980, 19.3764, 21.4583



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.



47.8445, 45.2850, 51.5673



77.2030, 71.1715, 81.7854



47.0526, 45.7823, 44.8874



11.3980, 11.2879, 12.6307



16.6964, 8.4892, 6.1201



0.8987, 0.4529, 0.5123

Inverse Universe

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



47.8445, 45.2850, 51.5673



77.2030, 71.1715, 81.7854



48.3070, 54.4339, 64.4611



11.3980, 11.2879, 12.6307



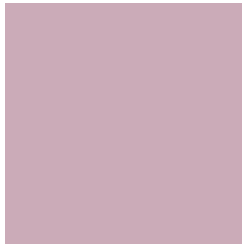
16.6964, 8.4892, 6.1201



0.8987, 0.4529, 0.5123

Previews

White Background



This preview shows how the XYZ color 47.8432, 45.2830, 51.5663 looks on a white background.

Color Contrast Check

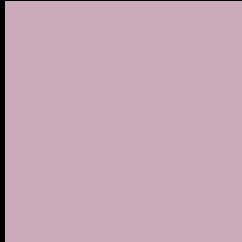
Large Text (above 18pt) WCAG AA × Fail

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 47.8432, 45.2830, 51.5663 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 47.8432, 45.2830, 51.5663

Background



This preview shows how black text looks on a background with the XYZ color 47.8432, 45.2830, 51.5663.



This preview shows how white text looks on a background with the XYZ color 47.8432, 45.2830,

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

47.8432, 45.2830, 51.5663

Protanopia

44.0196, 45.5743, 54.0536

Deuteranopia

46.1890, 45.2931, 51.1078



Tritanopia

47.8432, 45.2830, 51.5663

Trichromacy



Original Color

47.8432, 45.2830, 51.5663

Protanomaly

45.2340, 45.3299, 53.3792

Deuteranomaly

46.7795, 45.3118, 51.0803

Tritanomaly

47.8432, 45.2830, 51.5663

Monochromacy



Original Color

47.8432, 45.2830, 51.5663

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.7028, 46.2068, 51.3098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8432, 45.2830, 51.5663 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(203, 171, 184)` looks like.

```
.text, #text, p{  
    color:rgb(203, 171, 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(203, 171, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 171, 184) }
```

Border

The CSS property to change the border of an element to XYZ 47.8432, 45.2830, 51.5663 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(203, 171, 184) }
```


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

```
.border{ border-color:rgb(203, 171, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 171, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 171, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 171, 184);  
box-shadow:4px 4px 4px 4px rgb(203, 171,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8432, 45.2830, 51.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 171, 184) }
```

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

```
.background{ background-color: rgb(203,  
171, 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](#).

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