

Converting Colors

XYZ(45.8359, 42.9608, 56.6660)

Have a look what the booklet for
XYZ(45.8359, 42.9608, 56.6660)
contains.

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Color

**XYZ(45.8045, 43.0018,
56.9250)**

Conversions

Conversions Part 1

Format	Color
Hex	C2A7C2
RGB	194, 167, 194
RGB Percent	76%, 65%, 76%
CMY	0.2392, 0.3451, 0.2392
CMYK	0.00, 0.14, 0.00, 0.24
HSL	300°, 18%, 71%
HSV	300°, 14%, 76%
XYZ	45.8045, 43.0018, 56.9250
YIQ	178.1510, 7.4250, 14.1210

Conversions

Conversions Part 2

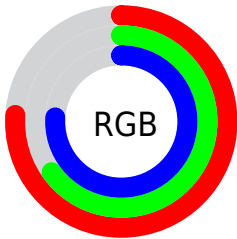
Format	Color
R _Y B	194, 167, 194
Decimal	12756930
CIE Lab	71.56, 14.61, -10.16
CIE LCh	72, 17.794, 325.185
Yxy	43.0018, 0.3143, 0.2951
Android (android.graphics.Color)	4290947010 (0xFFC2A7C2)
YUV	178.1510, 7.8136, 13.8996
Hunter-Lab	65.5758, 9.9242, -5.5654

Details

The XYZ color **45.8045, 43.0018, 56.9250** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.2049, 49.5904, 43.9090**, and the grayscale version is **42.3551, 44.5608, 48.5268**.

A 20% lighter version of the original color is **83.1603, 79.6539, 101.4342**, and **21.6796, 19.7304, 27.4766** is the 20% darker color. If you saturate the color by 10%, you get **42.5142, 36.4205, 55.8286**, and if you desaturate by 10%, it is **49.6305, 50.6531, 58.2010**.

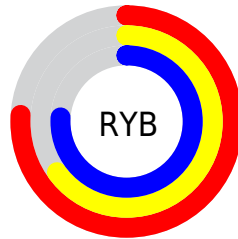
Distribution



Red (76%)

Green (65%)

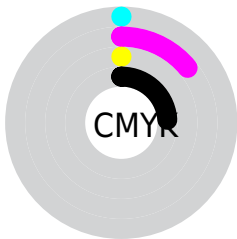
Blue (76%)



Red (76%)

Yellow (65%)

Blue (76%)

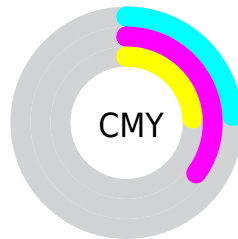


Cyan (0%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (24%)


Magenta (35%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8045, 43.0018, 56.9250 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 45.8045, 43.0018, 56.9250 by changing the saturation by 10% instead.


 45.8045, 43.0018,
56.9250


 45.8045, 43.0018,
56.9250

360.7512,
358.6192, 430.6541

 32.2955, 29.8865,
40.5361


 83.1560, 79.7136,
101.8550

 21.7440, 19.7525,
27.6398


 107.7292,
104.0789, 131.2331

 13.7845, 12.2152,
17.8176


136.7213,
132.9630, 165.7781

 8.0516, 6.8904,
10.6511

170.4975,
166.7502, 205.9084

 4.1801, 3.3937,
5.7215

209.4233,
205.8251, 252.0426

 1.8045, 1.3406,
2.6105

253.8639,

 0.5204, 0.1723,

250.5720, 304.5993

0.8978

304.1848,
301.3752, 363.9969

■ 0.0000, 0.0000,
0.0000

■ 45.8045, 43.0018,
56.9250

■ 45.8045, 43.0018,
56.9250

■ 42.5142, 36.4205,
55.8286

■ 49.6305, 50.6531,
58.2010

■ 39.7320, 30.8562,
54.9011

■ 54.0106, 59.4133,
59.6612

■ 37.4339, 26.2601,
54.1349

■ 58.9670, 69.3259,
61.3134

■ 35.5922, 22.5767,
53.5208

■ 64.5194, 80.4307,
63.1644

■ 34.1765, 19.7453,
53.0488

■ 67.7464, 86.8847,
64.2402

■ 33.1527, 17.6977,
52.7074

■ 67.7464, 86.8847,
64.2403

■ 32.4814, 16.3552,
52.4835

■ 67.7465, 86.8847,
64.2405

■ 32.1151, 15.6227,
52.3612

■ 67.7465, 86.8847,
64.2406

■ 31.9860, 15.3645,
52.3181

■ 67.7465, 86.8847,
64.2408

Harmonies

Analogous

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



43.3818, 43.0018, 63.4600



45.8045, 43.0018, 56.9250



46.9077, 43.0018, 48.2251

Triad

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



45.8045, 43.0018, 56.9250



41.3591, 43.0018, 32.1849



35.8603, 43.0018, 54.2269

Complementary

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



45.8045, 43.0018, 56.9250



42.2049, 49.5904, 43.9090

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.



35.3774, 43.0018, 45.4457



45.8045, 43.0018, 56.9250



38.4607, 43.0018, 33.3798

Square

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



45.8045, 43.0018, 56.9250



44.2623, 43.0018, 34.5012



36.3068, 43.0018, 37.9906



37.6593, 43.0018, 61.7731

Rectangle

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



45.8045, 43.0018, 56.9250



46.7091, 43.0018, 42.6171



36.3068, 43.0018, 37.9906



35.5425, 43.0018, 51.2940

Sweetspot

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



45.8058, 43.0037, 56.9259



89.8071, 91.5504, 105.4073



39.4946, 39.7501, 56.6308



19.5431, 19.8010, 23.0419



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.



45.8058, 43.0037, 56.9259



80.8817, 73.6995, 102.4318



44.3576, 42.4244, 49.3000



10.4973, 10.2475, 12.7095



21.0295, 10.1016, 34.3971



0.9086, 0.4365, 1.4862

Inverse Universe

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



45.8058, 43.0037, 56.9259



80.8817, 73.6995, 102.4318



43.5190, 50.1160, 50.8288



10.4973, 10.2475, 12.7095



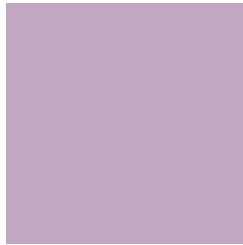
21.0295, 10.1016, 34.3971



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 45.8045, 43.0018, 56.9250 looks on a white background.

Color Contrast Check

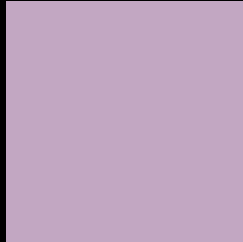
Large Text (above 18pt) WCAG AA × Fail

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 45.8045, 43.0018, 56.9250 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

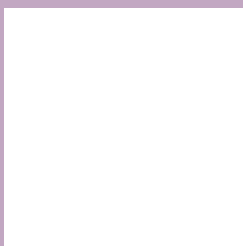
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8045, 43.0018, 56.9250

Background



This preview shows how black text looks on a background with the XYZ color 45.8045, 43.0018, 56.9250.



This preview shows how white text looks on a background with the XYZ color 45.8045, 43.0018,

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

45.8045, 43.0018, 56.9250

Protanopia

42.4581, 43.1663, 60.1270

Deuteranopia

43.9557, 43.1664, 56.4673



Tritanopia

44.3697, 42.9598, 50.2095

Trichromacy



Original Color

45.8045, 43.0018, 56.9250

Protanomaly

43.4633, 42.8603, 58.8054

Deuteranomaly

44.7394, 43.2911, 56.4501

Tritanomaly

44.8579, 42.8879, 52.3683

Monochromacy



Original Color

45.8045, 43.0018, 56.9250

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.5549, 43.9231, 51.5298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8045, 43.0018, 56.9250 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, 167, 194)` looks like.

```
.text, #text, p{  
    color:rgb(194, 167, 194)  
}
```

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, 167, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 167, 194) }
```

Border

The CSS property to change the border of an element to XYZ 45.8045, 43.0018, 56.9250 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, 167, 194) }
```


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

```
.border{ border-color:rgb(194, 167, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 167, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 167, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 167, 194); box-shadow:4px 4px 4px 4px rgb(194, 167, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8045, 43.0018, 56.9250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 167, 194) }
```

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

```
.background{ background-color: rgb(194,  
167, 194) }
```

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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