

Converting Colors

XYZ(45.8936, 44.6915, 58.4320)

Have a look what the booklet for
XYZ(45.8936, 44.6915, 58.4320)
contains.

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Color

**XYZ(45.8936, 44.6915,
58.4320)**

Conversions

Conversions Part 1

Format	Color
Hex	BDADC4
RGB	189, 173, 196
RGB Percent	74%, 68%, 77%
CMY	0.2588, 0.3216, 0.2314
CMYK	0.04, 0.12, 0.00, 0.23
HSL	282°, 16%, 72%
HSV	282°, 12%, 77%
XYZ	45.8936, 44.6915, 58.4320
YIQ	180.4060, 2.1530, 10.5450

Conversions

Conversions Part 2

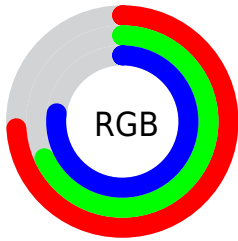
Format	Color
RYB	189, 173, 196
Decimal	12430788
CIELab	72.69, 9.98, -9.62
CIELCh	73, 13.862, 316.072
Yxy	44.6915, 0.3080, 0.2999
Android (android.graphics.Color)	4290620868 (0xFFBDADC4)
YUV	180.4060, 7.6878, 7.5369
Hunter-Lab	66.8517, 5.5495, -5.0265

Details

The XYZ color **45.8936, 44.6915, 58.4320** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1069, 52.2015, 47.1833**, and the grayscale version is **43.5609, 45.8294, 49.9082**.

A 20% lighter version of the original color is **83.1292, 81.9911, 104.3730**, and **21.8732, 20.8620, 28.4651** is the 20% darker color. If you saturate the color by 10%, you get **40.9583, 36.9722, 57.2028**, and if you desaturate by 10%, it is **51.4438, 53.5487, 59.8498**.

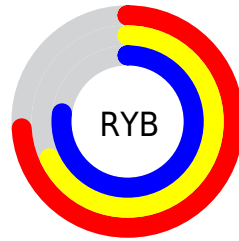
Distribution



Red (74%)

Green (68%)

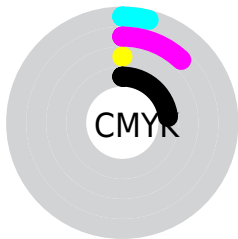
Blue (77%)



Red (74%)

Yellow (68%)

Blue (77%)

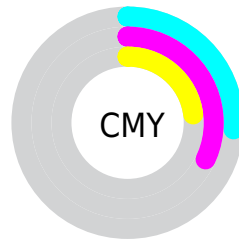


Cyan (4%)

Magenta (12%)

Yellow (0%)

Black (23%)



Cyan (26%)

Magenta (32%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8936, 44.6915, 58.4320 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 45.8936, 44.6915, 58.4320 by changing the saturation by 10% instead.

■ 45.8936, 44.6915,
58.4320

■ 45.8936, 44.6915,
58.4320

361.1038,
365.5227, 436.4369

■ 32.3661, 31.2145,
41.7391

■ 83.2886, 82.2573,
104.0727

■ 21.7982, 20.7622,
28.5730

107.8868,
107.1149, 133.8575

■ 13.8245, 12.9503,
18.5152

136.9060,
136.5347, 168.8433

■ 8.0796, 7.3943,
11.1473

170.7115,
170.9013, 209.4487

■ 4.1981, 3.7099,
6.0506

209.6687,
210.5990, 256.0922

■ 1.8148, 1.5127,
2.8066

254.1429,

■ 0.5266, 0.2976,

256.0122, 309.1924

0.9967

304.4995,
307.5253, 369.1678

■ 0.0000, 0.0000,
0.0000

■ 45.8936, 44.6915,
58.4320

■ 45.8936, 44.6915,
58.4320

■ 40.9583, 36.9722,
57.2028

■ 51.4438, 53.5487,
59.8498

■ 36.6092, 30.3369,
56.1513

■ 57.6281, 63.5832,
61.4607

■ 32.8213, 24.7358,
55.2698

■ 64.4697, 74.8399,
63.2728

■ 29.5661, 20.1129,
54.5491

■ 71.9893, 87.3593,
65.2930

■ 26.8122, 16.4067,
53.9788

■ 74.8867, 90.5395,
65.7541

■ 24.5249, 13.5487,
53.5478

■ 76.7122, 91.4806,
65.8396

■ 22.6643, 11.4606,
53.2428

■ 78.6027, 92.4552,
65.9280

■ 21.1832, 10.0489,
53.0484

■ 80.5588, 93.4636,
66.0196

■ 20.1726, 9.2483,
52.9471

■ 82.5812, 94.5062,
66.1142

Harmonies

Analogous

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



43.7701, 44.6915, 62.5179



45.8936, 44.6915, 58.4320



47.1226, 44.6915, 51.9169

Triad

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



45.8936, 44.6915, 58.4320



43.5999, 44.6915, 36.9137



38.1906, 44.6915, 52.4179

Complementary

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



45.8936, 44.6915, 58.4320



46.1069, 52.2015, 47.1833

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.



38.1489, 44.6915, 45.5450



45.8936, 44.6915, 58.4320



41.2115, 44.6915, 37.0204

Square

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



45.8936, 44.6915, 58.4320



45.7650, 44.6915, 39.7390



39.2361, 44.6915, 40.0457



39.3521, 44.6915, 58.8284

Rectangle

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



45.8936, 44.6915, 58.4320



47.2406, 44.6915, 47.2750



39.2361, 44.6915, 40.0457



38.0467, 44.6915, 50.0747

Sweetspot

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



45.8949, 44.6934, 58.4330



90.7489, 93.0798, 107.7910



43.5777, 45.6288, 58.7356



19.2554, 19.6527, 23.0284



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.



45.8949, 44.6934, 58.4330



80.8143, 77.2967, 105.2681



47.2003, 45.4210, 56.0238



10.1892, 10.0887, 12.6951



13.0525, 5.9892, 34.0247



0.6313, 0.2935, 1.4733

Inverse Universe

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



45.9483, 44.9203, 49.4311



80.9562, 77.8023, 85.7362



44.9326, 51.5482, 49.2919



10.1966, 10.1272, 11.1258



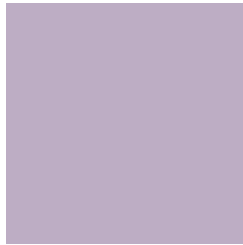
15.1798, 7.7617, 3.5928



0.6873, 0.3479, 0.3207

Previews

White Background



This preview shows how the XYZ color 45.8936, 44.6915, 58.4320 looks on a white background.

Color Contrast Check

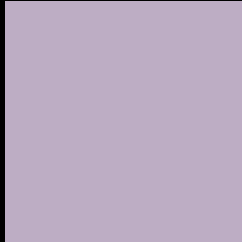
Large Text (above 18pt) WCAG AA × Fail

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 45.8936, 44.6915, 58.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

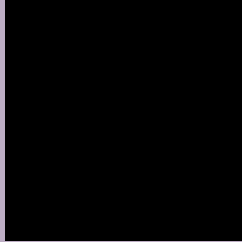
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8936, 44.6915, 58.4320

Background



This preview shows how black text looks on a background with the XYZ color 45.8936, 44.6915, 58.4320.



This preview shows how white text looks on a background with the XYZ color 45.8936, 44.6915,

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

45.8936, 44.6915, 58.4320

Protanopia

43.9354, 44.7979, 60.3640

Deuteranopia

45.6464, 44.5640, 58.4204



Tritanopia

44.9522, 44.5943, 53.8153

Trichromacy



Original Color

45.8936, 44.6915, 58.4320

Protanomaly

44.7744, 44.9516, 59.7427

Deuteranomaly

45.6464, 44.5640, 58.4204

Tritanomaly

45.2791, 44.7251, 55.5366

Monochromacy



Original Color

45.8936, 44.6915, 58.4320

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.1135, 45.0567, 52.8262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8936, 44.6915, 58.4320 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(189, 173, 196)` looks like.

```
.text, #text, p{  
    color:rgb(189, 173, 196)  
}
```

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(189, 173, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 173, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.8936, 44.6915, 58.4320 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(189, 173, 196) }
```


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

```
.border{ border-color:rgb(189, 173, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 173, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 173, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 173, 196);  
box-shadow:4px 4px 4px 4px rgb(189, 173,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8936, 44.6915, 58.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 173, 196) }
```

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

```
.background{ background-color: rgb(189,  
173, 196) }
```

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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