

Converting Colors

XYZ(42.4623, 45.2837, 48.8525)

Have a look what the booklet for
XYZ(42.4623, 45.2837, 48.8525)
contains.

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Color

**XYZ(42.2616, 45.0870,
48.5947)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B4B2
RGB	176, 180, 178
RGB Percent	69%, 71%, 70%
CMY	0.3098, 0.2941, 0.3020
CMYK	0.02, 0.00, 0.01, 0.29
HSL	150°, 3%, 70%
HSV	150°, 2%, 71%
XYZ	42.2616, 45.0870, 48.5947
YIQ	178.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

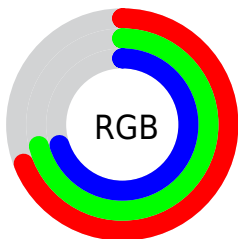
Format	Color
RYB	176, 179, 180
Decimal	11580594
CIELab	72.95, -1.77, 0.52
CIELCh	73, 1.849, 163.676
Yxy	45.0870, 0.3109, 0.3317
Android (android.graphics.Color)	4289770674 (0xFFB0B4B2)
YUV	178.5760, -0.2840, -2.2592
Hunter-Lab	67.1469, -5.1608, 4.0942

Details

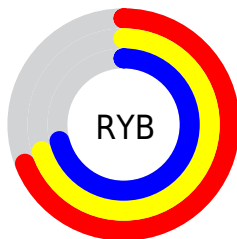
The XYZ color **42.2616, 45.0870, 48.5947** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.3852, 43.9694, 48.3747**, and the grayscale version is **42.6254, 44.8452, 48.8365**.

A 20% lighter version of the original color is **78.1254, 83.0872, 89.7617**, and **19.6032, 20.9445, 22.4115** is the 20% darker color. If you saturate the color by 10%, you get **37.5837, 42.7778, 43.8095**, and if you desaturate by 10%, it is **47.5411, 47.7020, 53.7199**.

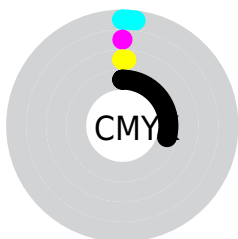
Distribution



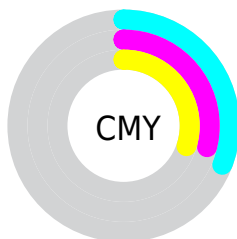
- Red (69%)
- Green (71%)
- Blue (70%)



- Red (69%)
- Yellow (70%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2616, 45.0870, 48.5947 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 42.2616, 45.0870, 48.5947 by changing the saturation by 10% instead.

■ 42.2616, 45.0870,
48.5947

■ 42.2616, 45.0870,
48.5947

346.5394,
367.1258, 397.7211

■ 29.4982, 31.5260,
33.9347

■ 77.8581, 82.8509,
89.4639

■ 19.6042, 20.9997,
22.5665

101.4219,
107.8226, 116.5103

■ 12.2142, 13.1238,
14.0715

129.3165,
137.3667, 148.5226

■ 6.9630, 7.5138,
8.0311

161.9073,
171.8675, 185.9193

■ 3.4851, 3.7855,
4.0268

199.5596,
211.7094, 229.1189

■ 1.4152, 1.5543,
1.6400

242.6388,

■ 0.2670, 0.3265,

257.2768, 278.5401

0.3192

291.5103,
308.9541, 334.6013

■ 0.0000, 0.0000,
0.0000

■ 42.2616, 45.0870,
48.5947

■ 42.2616, 45.0870,
48.5947

■ 37.5837, 42.7778,
43.8095

■ 47.5411, 47.7020,
53.7199

■ 33.4815, 40.7574,
39.3545

■ 53.4395, 50.6278,
59.1889

■ 29.9325, 39.0156,
35.2233

■ 59.9780, 53.8765,
65.0091

■ 26.9116, 37.5395,
31.4086

■ 67.1757, 57.4577,
71.1870

■ 24.3912, 36.3152,
27.9026

■ 70.8861, 59.2339,
77.5337

■ 22.3416, 35.3274,
24.6973

■ 72.1335, 59.7329,
84.1025

■ 20.7293, 34.5591,
21.7839

■ 73.4465, 60.2581,
91.0167

■ 19.5165, 33.9909,
19.1537

■ 74.8261, 60.8099,
98.2812

■ 18.6581, 33.5996,
16.7969

■ 75.6122, 61.1243,
102.4207

Harmonies

Analogous

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



42.4271, 45.0870, 47.8190



42.2616, 45.0870, 48.5947



42.2543, 45.0870, 49.5131

Triad

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



42.2616, 45.0870, 48.5947



43.0006, 45.0870, 50.8376



43.3038, 45.0870, 47.8761

Complementary

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



42.2616, 45.0870, 48.5947



42.3852, 43.9694, 48.3747

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.



43.4591, 45.0870, 48.6735



42.2616, 45.0870, 48.5947



43.2834, 45.0870, 50.3875

Square

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



42.2616, 45.0870, 48.5947



42.6798, 45.0870, 50.8159



43.4516, 45.0870, 49.5928



43.0283, 45.0870, 47.4077

Rectangle

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



42.2616, 45.0870, 48.5947



42.3400, 45.0870, 50.0832



43.4516, 45.0870, 49.5928



43.3719, 45.0870, 48.1141

Sweetspot

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



42.2629, 45.0889, 48.5957



77.7241, 82.2938, 89.1982



42.5348, 45.2521, 47.5675



16.8097, 17.7919, 19.2895



86.6293, 91.1408, 99.2523



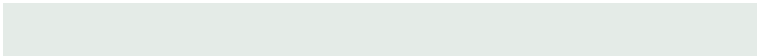
17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2629, 45.0889, 48.5957



75.8849, 81.3843, 87.3686



42.4587, 45.1673, 49.6271



9.1409, 9.8454, 10.5351



12.7113, 23.3105, 10.7483



0.4294, 0.7452, 0.4933

Inverse Universe

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



42.3852, 43.9694, 48.3747



76.1877, 78.6145, 86.8218



42.1921, 43.8921, 47.3577



9.1856, 9.4366, 10.4543



14.4608, 7.3019, 7.5863



0.4844, 0.2415, 0.3938

Previews

White Background



This preview shows how the XYZ color 42.2616, 45.0870, 48.5947 looks on a white background.

Color Contrast Check

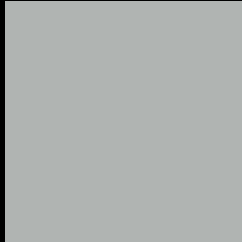
Large Text (above 18pt) WCAG AA × Fail

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 42.2616, 45.0870, 48.5947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

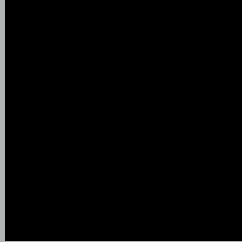
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

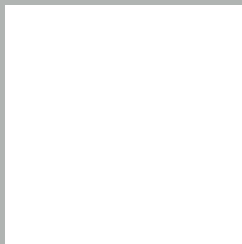
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2616, 45.0870, 48.5947

Background



This preview shows how black text looks on a background with the XYZ color 42.2616, 45.0870, 48.5947.



This preview shows how white text looks on a background with the XYZ color 42.2616, 45.0870,

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

42.2616, 45.0870, 48.5947

Protanopia

43.1476, 44.9602, 47.9990

Deuteranopia

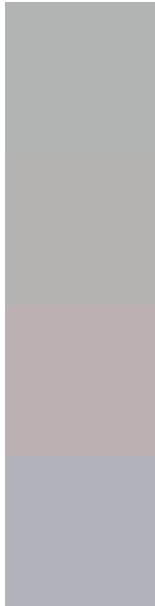
45.8452, 44.8776, 48.8938



Tritanopia

43.7949, 45.1115, 56.2683

Trichromacy



Original Color

42.2616, 45.0870, 48.5947

Protanomaly

42.8783, 45.1178, 48.0437

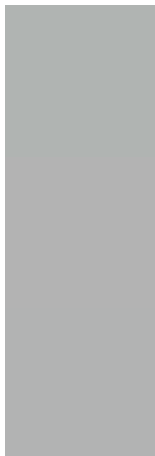
Deuteranomaly

44.6483, 45.1242, 49.0044

Tritanomaly

43.2212, 45.1752, 53.4554

Monochromacy



Original Color

42.2616, 45.0870, 48.5947

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6169, 44.9598, 49.0798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2616, 45.0870, 48.5947 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(176, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(176, 180, 178)  
}
```

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(176, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 180, 178) }
```

Border

The CSS property to change the border of an element to XYZ 42.2616, 45.0870, 48.5947 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(176, 180, 178) }
```


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

```
.border{ border-color:rgb(176, 180, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(176, 180,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2616, 45.0870, 48.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 180, 178) }
```

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

```
.background{ background-color: rgb(176,  
180, 178) }
```

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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