

Converting Colors

XYZ(42.3582, 45.6033, 47.4085)

Have a look what the booklet for
XYZ(42.3582, 45.6033, 47.4085)
contains.

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Color

**XYZ(42.2648, 45.4124,
47.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B5B0
RGB	176, 181, 176
RGB Percent	69%, 71%, 69%
CMY	0.3098, 0.2902, 0.3098
CMYK	0.03, 0.00, 0.03, 0.29
HSL	120°, 3%, 70%
HSV	120°, 3%, 71%
XYZ	42.2648, 45.4124, 47.6122
YIQ	178.9350, -1.3750, -2.6150

Conversions

Conversions Part 2

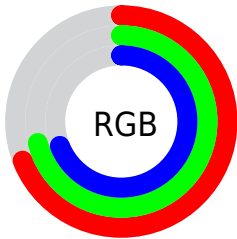
Format	Color
RYB	176, 181, 181
Decimal	11580848
CIELab	73.16, -2.68, 1.92
CIELCh	73, 3.304, 144.363
Yxy	45.4124, 0.3124, 0.3357
Android (android.graphics.Color)	4289770928 (0xFFB0B5B0)
YUV	178.9350, -1.4470, -2.5740
Hunter-Lab	67.3887, -5.9788, 5.2819

Details

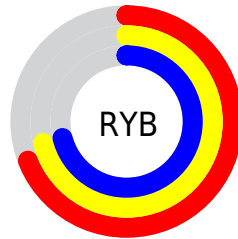
The XYZ color **42.2648, 45.4124, 47.6122** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.9235, 44.2117, 49.9896**, and the grayscale version is **42.8221, 45.0522, 49.0619**.

A 20% lighter version of the original color is **78.1284, 83.5504, 88.3530**, and **19.6694, 21.1787, 22.1200** is the 20% darker color. If you saturate the color by 10%, you get **36.7689, 42.7738, 38.6219**, and if you desaturate by 10%, it is **48.5478, 48.4318, 57.8877**.

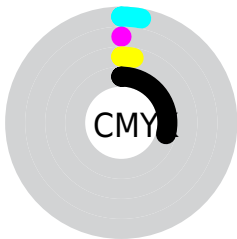
Distribution



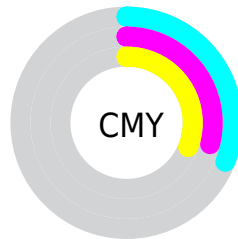
- Red (69%)
- Green (71%)
- Blue (69%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2648, 45.4124, 47.6122 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 42.2648, 45.4124, 47.6122 by changing the saturation by 10% instead.

■ 42.2648, 45.4124,
47.6122

■ 42.2648, 45.4124,
47.6122

346.5524,
368.4412, 393.7172

■ 29.5007, 31.7824,
33.1621

■ 77.8629, 83.3389,
87.9863

■ 19.6061, 21.1953,
21.9785

101.4276,
108.4042, 114.7473

■ 12.2156, 13.2669,
13.6429

129.3232,
138.0500, 146.4490

■ 6.9640, 7.6126,
7.7368

161.9151,
172.6608, 183.5100

■ 3.4857, 3.8481,
3.8417

199.5686,
212.6209, 226.3487

■ 1.4155, 1.5889,
1.5389

242.6491,

■ 0.2672, 0.3501,

258.3148, 275.3838

0.2467

291.5219,
310.1267, 331.0338

■ 0.0000, 0.0000,
0.0000

■ 42.2648, 45.4124,
47.6122

■ 42.2648, 45.4124,
47.6122

■ 36.7689, 42.7738,
38.6219

■ 48.5478, 48.4318,
57.8877

■ 32.0254, 40.4952,
30.8633

■ 55.6432, 51.8401,
69.4930

■ 28.0028, 38.5630,
24.2838

■ 63.5799, 55.6525,
82.4742

■ 24.6659, 36.9601,
18.8256

■ 72.3842, 59.8817,
96.8744

■ 21.9764, 35.6681,
14.4264

■ 75.8147, 61.5295,
102.4882

■ 19.8922, 34.6670,
11.0173

■ 18.3667, 33.9342,
8.5218

■ 17.3459, 33.4439,
6.8518

■ 16.7655, 33.1651,
5.9023

Harmonies

Analogous

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



42.7056, 45.4124, 46.5990



42.2648, 45.4124, 47.6122



42.0649, 45.4124, 49.1339

Triad

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



42.2648, 45.4124, 47.6122



43.0539, 45.4124, 52.6871



44.1850, 45.4124, 48.1430

Complementary

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



42.2648, 45.4124, 47.6122



42.9235, 44.2117, 49.9896

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.



44.2803, 45.4124, 49.7602



42.2648, 45.4124, 47.6122



43.6239, 45.4124, 52.4075

Square

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



42.2648, 45.4124, 47.6122



42.5178, 45.4124, 52.0827



44.0741, 45.4124, 51.3271



43.8149, 45.4124, 46.9006

Rectangle

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



42.2648, 45.4124, 47.6122



42.0938, 45.4124, 50.2414



44.0741, 45.4124, 51.3271



44.2504, 45.4124, 48.6598

Sweetspot

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



42.2661, 45.4143, 47.6132



77.5568, 82.2269, 88.3170



43.4184, 46.0084, 47.6669



16.7754, 17.7782, 19.1092



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.



42.2661, 45.4143, 47.6132



75.3930, 81.1875, 84.7779



42.5159, 45.5143, 48.9289



9.0684, 9.8165, 10.1535



11.3913, 22.7825, 3.7974



0.3584, 0.7168, 0.1195

Inverse Universe

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



42.9235, 44.2117, 49.9896



76.6897, 78.8153, 89.4651



42.6690, 44.1099, 48.6497



9.2598, 9.4663, 10.8454



18.8858, 9.0719, 30.8881



0.5942, 0.2854, 0.9719

Previews

White Background



This preview shows how the XYZ color 42.2648, 45.4124, 47.6122 looks on a white background.

Color Contrast Check

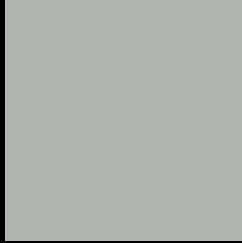
Large Text (above 18pt) WCAG AA × Fail

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 42.2648, 45.4124, 47.6122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

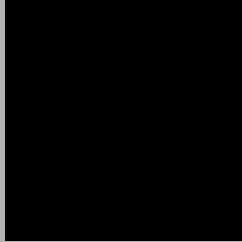
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2648, 45.4124, 47.6122

Background



This preview shows how black text looks on a background with the XYZ color 42.2648, 45.4124, 47.6122.



This preview shows how white text looks on a background with the XYZ color 42.2648, 45.4124,

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

42.2648, 45.4124, 47.6122

Protanopia

43.6251, 45.5257, 47.0455

Deuteranopia

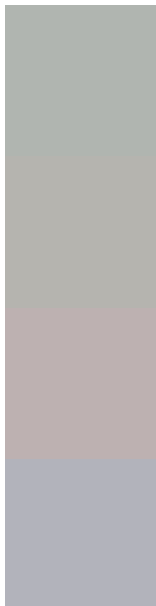
46.0978, 45.3167, 47.9124



Tritanopia

44.1364, 45.2748, 56.8647

Trichromacy



Original Color

42.2648, 45.4124, 47.6122

Protanomaly

43.1152, 45.5614, 47.0793

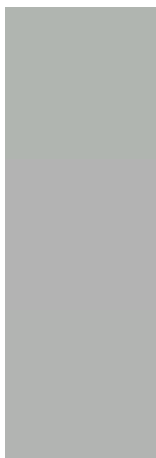
Deuteranomaly

44.6442, 45.4374, 48.0123

Tritanomaly

43.4498, 45.2930, 53.4661

Monochromacy



Original Color

42.2648, 45.4124, 47.6122

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7172, 45.3218, 48.6160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2648, 45.4124, 47.6122 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, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 181, 176)  
}
```

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, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 181, 176) }
```

Border

The CSS property to change the border of an element to XYZ 42.2648, 45.4124, 47.6122 is called "border". The border property can be set on classes, ids or directly on the HTML element.

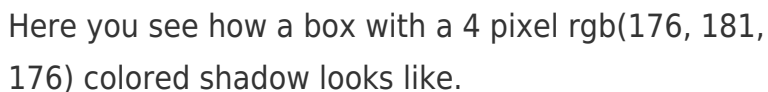
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 181, 176) }
```


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

```
.border{ border-color:rgb(176, 181, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 181, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 181, 176); box-shadow:4px 4px 4px 4px rgb(176, 181, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2648, 45.4124, 47.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 181, 176) }
```

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

```
.background{ background-color: rgb(176,  
181, 176) }
```

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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