

Converting Colors

XYZ(42.9670, 45.7153, 46.7175)

Have a look what the booklet for
XYZ(42.9670, 45.7153, 46.7175)
contains.

XYZ(42.9862, 45.8070, 46.6204)	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(42.9862, 45.8070,
46.6204)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B5AE
RGB	180, 181, 174
RGB Percent	71%, 71%, 68%
CMY	0.2941, 0.2902, 0.3176
CMYK	0.01, 0.00, 0.04, 0.29
HSL	69°, 5%, 70%
HSV	69°, 4%, 71%
XYZ	42.9862, 45.8070, 46.6204
YIQ	179.9030, 1.6510, -2.3890

Conversions

Conversions Part 2

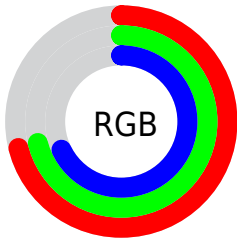
Format	Color
RYB	174, 181, 175
Decimal	11842990
CIELab	73.42, -1.64, 3.43
CIELCh	73, 3.800, 115.495
Yxy	45.8070, 0.3174, 0.3383
Android (android.graphics.Color)	4290033070 (0xFFB4B5AE)
YUV	179.9030, -2.9102, 0.0851
Hunter-Lab	67.6809, -5.0707, 6.5361

Details

The XYZ color **42.9862, 45.8070, 46.6204** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.1575, 42.7235, 49.7956**, and the grayscale version is **43.3459, 45.6033, 49.6620**.

A 20% lighter version of the original color is **79.0191, 84.0584, 86.1889**, and **19.9844, 21.3555, 21.4811** is the 20% darker color. If you saturate the color by 10%, you get **40.7415, 44.8415, 37.9165**, and if you desaturate by 10%, it is **45.4826, 46.8774, 56.5794**.

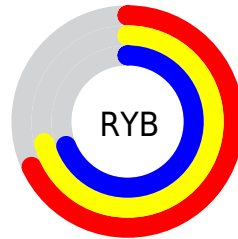
Distribution



Red (71%)

Green (71%)

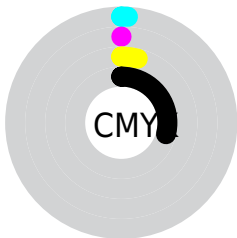
Blue (68%)



Red (68%)

Yellow (71%)

Blue (69%)

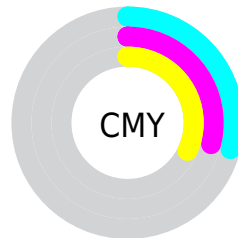


Cyan (1%)

Magenta (0%)

Yellow (4%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9862, 45.8070, 46.6204 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 42.9862, 45.8070, 46.6204 by changing the saturation by 10% instead.

■ 42.9862, 45.8070,
46.6204

■ 42.9862, 45.8070,
46.6204

349.4775,
370.0322, 389.6471

■ 30.0688, 32.0935,
32.3835

■ 78.9459, 83.9301,
86.4908

■ 20.0391, 21.4330,
21.3873

102.7188,
109.1085, 112.9613

■ 12.5319, 13.4408,
13.2134

130.8410,
138.8774, 144.3467

■ 7.1818, 7.7328,
7.4432

163.6777,
173.6211, 181.0657

■ 3.6234, 3.9245,
3.6582

201.5944,
213.7240, 223.5366

■ 1.4914, 1.6314,
1.4398

244.9563,

■ 0.3199, 0.3786,

259.5706, 272.1782

0.1724

294.1289,
311.5452, 327.4088

■ 0.0000, 0.0000,
0.0000

■ 42.9862, 45.8070,
46.6204

■ 42.9862, 45.8070,
46.6204

■ 40.7415, 44.8415,
37.9165

■ 45.4826, 46.8774,
56.5794

■ 38.7352, 43.9712,
30.4148

■ 48.2358, 48.0504,
67.8373

■ 36.9584, 43.1939,
24.0633

■ 51.2557, 49.3314,
80.4397

■ 35.4002, 42.5054,
18.8051

■ 54.5503, 50.7236,
94.4290

■ 34.0488, 41.9009,
14.5781

■ 56.5591, 51.6029,
101.5871

■ 32.8912, 41.3752,
11.3145

■ 57.2260, 51.9467,
101.6183

■ 31.9129, 40.9225,
8.9378

■ 57.9045, 52.2965,
101.6501

■ 31.0972, 40.5360,
7.3605

■ 58.5948, 52.6523,
101.6824

■ 30.4239, 40.2078,
6.4769

■ 59.2968, 53.0142,
101.7152

Harmonies

Analogous

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



43.6394, 45.8070, 46.2887



42.9862, 45.8070, 46.6204



42.4855, 45.8070, 47.8157

Triad

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



42.9862, 45.8070, 46.6204



42.8127, 45.8070, 52.9776



44.8347, 45.8070, 50.1663

Complementary

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



42.9862, 45.8070, 46.6204



41.1575, 42.7235, 49.7956

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.



44.6081, 45.8070, 51.9947



42.9862, 45.8070, 46.6204



43.4371, 45.8070, 53.6440

Square

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



42.9862, 45.8070, 46.6204



42.3860, 45.8070, 51.4805



44.0949, 45.8070, 53.2798



44.7110, 45.8070, 48.3053

Rectangle

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



42.9862, 45.8070, 46.6204



42.3032, 45.8070, 48.9579



44.0949, 45.8070, 53.2798



44.7969, 45.8070, 50.8056

Sweetspot

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



42.9875, 45.8090, 46.6214



78.2139, 82.5656, 88.3477



42.0145, 43.5150, 46.2299



16.9099, 17.8476, 19.1154



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.



42.9875, 45.8090, 46.6214



76.4736, 81.8186, 81.4822



42.1983, 45.4022, 46.5845



9.2597, 9.9232, 9.7933



20.7633, 27.6139, 4.2357



0.6859, 0.8857, 0.1348

Inverse Universe

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



41.1575, 42.7235, 49.7956



72.2021, 74.6164, 88.8916



41.9377, 43.1257, 49.8322



8.6916, 8.9654, 10.7787



6.0789, 2.4696, 30.2933



0.2266, 0.0959, 0.9548

Previews

White Background



This preview shows how the XYZ color 42.9862, 45.8070, 46.6204 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 42.9862, 45.8070, 46.6204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

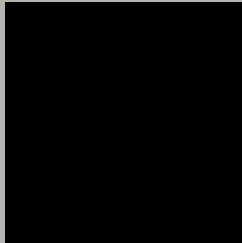
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9862, 45.8070, 46.6204

Background



This preview shows how black text looks on a background with the XYZ color 42.9862, 45.8070, 46.6204.



This preview shows how white text looks on a background with the XYZ color 42.9862, 45.8070,

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

42.9862, 45.8070, 46.6204

Protanopia

43.6705, 45.5716, 46.0297

Deuteranopia

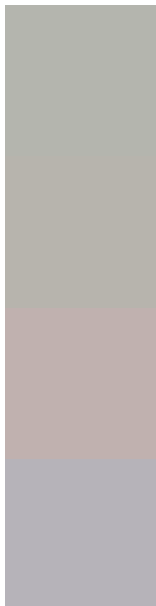
46.4271, 45.5094, 46.8947



Tritanopia

44.9633, 45.7138, 56.3230

Trichromacy



Original Color

42.9862, 45.8070, 46.6204

Protanomaly

43.3925, 45.7269, 46.0743

Deuteranomaly

45.1982, 45.7459, 47.0051

Tritanomaly

44.1685, 45.6881, 52.3897

Monochromacy



Original Color

42.9862, 45.8070, 46.6204

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.1795, 45.5602, 48.6377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9862, 45.8070, 46.6204 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(180, 181, 174)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 174)  
}
```

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(180, 181, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 174) }
```

Border

The CSS property to change the border of an element to XYZ 42.9862, 45.8070, 46.6204 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(180, 181, 174) }
```


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

```
.border{ border-color:rgb(180, 181, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 181, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 181, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 181, 174); box-shadow:4px 4px 4px 4px rgb(180, 181, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9862, 45.8070, 46.6204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 174) }
```

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

```
.background{ background-color: rgb(180,  
181, 174) }
```

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