

Converting Colors

XYZ(42.4135, 45.4424, 48.3773)

Have a look what the booklet for
XYZ(42.4135, 45.4424, 48.3773)
contains.

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Color

**XYZ(42.3642, 45.4522,
48.1353)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B5B1
RGB	176, 181, 177
RGB Percent	69%, 71%, 69%
CMY	0.3098, 0.2902, 0.3059
CMYK	0.03, 0.00, 0.02, 0.29
HSL	132°, 3%, 70%
HSV	132°, 3%, 71%
XYZ	42.3642, 45.4522, 48.1353
YIQ	179.0490, -1.6960, -2.3040

Conversions

Conversions Part 2

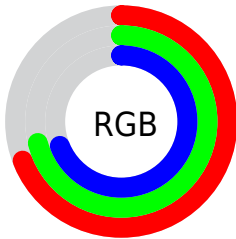
Format	Color
RYB	176, 180, 181
Decimal	11580849
CIELab	73.19, -2.50, 1.42
CIELCh	73, 2.872, 150.459
Yxy	45.4522, 0.3116, 0.3343
Android (android.graphics.Color)	4289770929 (0xFFB0B5B1)
YUV	179.0490, -1.0102, -2.6740
Hunter-Lab	67.4182, -5.8163, 4.8609

Details

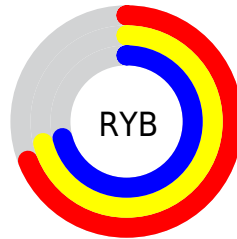
The XYZ color **42.3642, 45.4522, 48.1353** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.8213, 44.1709, 49.4512**, and the grayscale version is **42.8808, 45.1139, 49.1291**.

A 20% lighter version of the original color is **78.2709, 83.6074, 89.1033**, and **19.6694, 21.1787, 22.1200** is the 20% darker color. If you saturate the color by 10%, you get **37.1736, 42.9357, 40.7530**, and if you desaturate by 10%, it is **48.2563, 48.3152, 56.3521**.

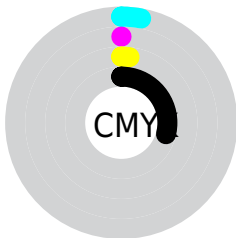
Distribution



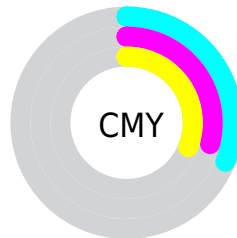
- Red (69%)
- Green (71%)
- Blue (69%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3642, 45.4522, 48.1353 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 42.3642, 45.4522, 48.1353 by changing the saturation by 10% instead.

■ 42.3642, 45.4522,
48.1353

■ 42.3642, 45.4522,
48.1353

346.9565,
368.6019, 395.8523

■ 29.5789, 31.8138,
33.5733

■ 78.0122, 83.3986,
88.7735

■ 19.6657, 21.2193,
22.2913

101.6057,
108.4753, 115.6867

■ 12.2591, 13.2844,
13.8707

129.5327,
138.1336, 147.5541

■ 6.9939, 7.6247,
7.8931

162.1584,
172.7578, 184.7942

■ 3.5046, 3.8557,
3.9398

199.8483,
212.7323, 227.8255

■ 1.4259, 1.5932,
1.5924

242.9677,

■ 0.2745, 0.3530,

258.4416, 277.0666

0.2854

291.8820,
310.2700, 332.9361

■ 0.0000, 0.0000,
0.0000

■ 42.3642, 45.4522,
48.1353

■ 42.3642, 45.4522,
48.1353

■ 37.1736, 42.9357,
40.7530

■ 48.2563, 48.3152,
56.3521

■ 32.6546, 40.7469,
34.1761

■ 54.8709, 51.5312,
65.4253

■ 28.7804, 38.8740,
28.3782

■ 62.2328, 55.1137,
75.3798

■ 25.5214, 37.3023,
23.3304

■ 70.3646, 59.0739,
86.2384

■ 22.8453, 36.0158,
19.0020

■ 74.9281, 61.1749,
97.8193

■ 20.7170, 34.9970,
15.3601

■ 75.8148, 61.5295,
102.4883

■ 19.0973, 34.2265,
12.3692

■ 17.9420, 33.6824,
9.9908

■ 17.1984, 33.3383,
8.1821

Harmonies

Analogous

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



42.7121, 45.4522, 47.1381



42.3642, 45.4522, 48.1353



42.2401, 45.4522, 49.5119

Triad

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



42.3642, 45.4522, 48.1353



43.2087, 45.4522, 52.3142



44.0408, 45.4522, 48.0976

Complementary

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



42.3642, 45.4522, 48.1353



42.8213, 44.1709, 49.4512

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.



44.1762, 45.4522, 49.4675



42.3642, 45.4522, 48.1353



43.6935, 45.4522, 51.9182

Square

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



42.3642, 45.4522, 48.1353



42.7254, 45.4522, 51.9412



44.0487, 45.4522, 50.8693



43.6800, 45.4522, 47.1167

Rectangle

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



42.3642, 45.4522, 48.1353



42.3003, 45.4522, 50.4651



44.0487, 45.4522, 50.8693



44.1143, 45.4522, 48.5270

Sweetspot

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



42.3655, 45.4541, 48.1363



77.6236, 82.2536, 88.6688



43.2040, 45.8979, 47.6570



16.7891, 17.7837, 19.1812



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.



42.3655, 45.4541, 48.1363



75.5886, 81.2657, 85.8078



42.6088, 45.5515, 49.4175



9.0972, 9.8280, 10.3050



11.6331, 22.8792, 5.0707



0.3863, 0.7280, 0.2665

Inverse Universe

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



42.8213, 44.1709, 49.4512



76.4877, 78.7345, 88.4015



42.5770, 44.0732, 48.1646



9.2299, 9.4543, 10.6878



16.6756, 8.1878, 19.2495



0.5432, 0.2650, 0.7033

Previews

White Background



This preview shows how the XYZ color 42.3642, 45.4522, 48.1353 looks on a white background.

Color Contrast Check

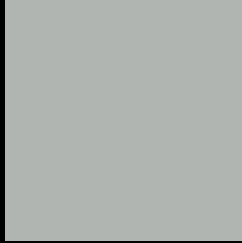
Large Text (above 18pt) WCAG AA × Fail

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 42.3642, 45.4522, 48.1353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

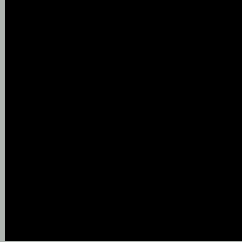
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

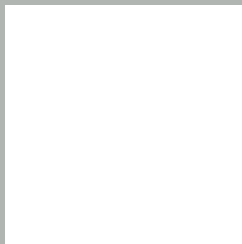
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3642, 45.4522, 48.1353

Background



This preview shows how black text looks on a background with the XYZ color 42.3642, 45.4522, 48.1353.



This preview shows how white text looks on a background with the XYZ color 42.3642, 45.4522,

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

42.3642, 45.4522, 48.1353

Protanopia

43.7237, 45.5651, 47.5648

Deuteranopia

46.1979, 45.3568, 48.4393



Tritanopia

44.1058, 45.5554, 56.9205

Trichromacy



Original Color

42.3642, 45.4522, 48.1353

Protanomaly

43.2138, 45.6009, 47.5985

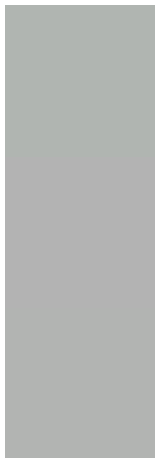
Deuteranomaly

44.7443, 45.4775, 48.5392

Tritanomaly

43.4224, 45.5775, 53.5224

Monochromacy



Original Color

42.3642, 45.4522, 48.1353

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 42.3642, 45.4522, 48.1353 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(176, 181, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 181, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.3642, 45.4522, 48.1353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

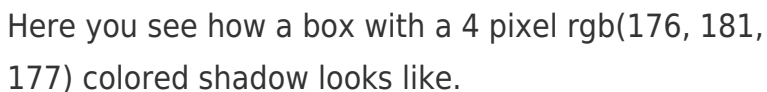
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 181, 177) }
```


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

```
.border{ border-color:rgb(176, 181, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 181, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 181, 177); box-shadow:4px 4px 4px 4px rgb(176, 181, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3642, 45.4522, 48.1353 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, 177) }
```

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

```
.background{ background-color: rgb(176,  
181, 177) }
```

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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