

Converting Colors

XYZ(40.8351, 45.4260, 49.6168)

Have a look what the booklet for
XYZ(40.8351, 45.4260, 49.6168)
contains.

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Color

**XYZ(40.8958, 45.5756,
49.8216)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B8B4
RGB	165, 184, 180
RGB Percent	65%, 72%, 71%
CMY	0.3529, 0.2784, 0.2941
CMYK	0.10, 0.00, 0.02, 0.28
HSL	167°, 12%, 68%
HSV	167°, 10%, 72%
XYZ	40.8958, 45.5756, 49.8216
YIQ	177.8630, -10.0400, -5.2720

Conversions

Conversions Part 2

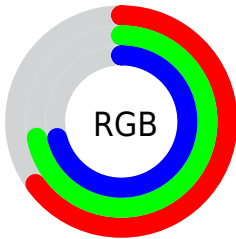
Format	Color
R_{YB}	165, 176, 184
Decimal	10860724
CIE _{Lab}	73.27, -7.31, -0.20
CIE _{LCh}	73, 7.313, 181.598
Yxy	45.5756, 0.3001, 0.3344
Android (android.graphics.Color)	4289050804 (0xFFA5B8B4)
YUV	177.8630, 1.0535, -11.2809
Hunter-Lab	67.5097, -10.0109, 3.5013

Details

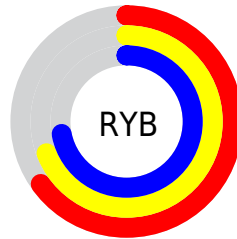
The XYZ color **40.8958, 45.5756, 49.8216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.3854, 39.9665, 43.1240**, and the grayscale version is **42.2440, 44.4440, 48.3995**.

A 20% lighter version of the original color is **75.8156, 83.5919, 91.4958**, and **18.7571, 21.2756, 23.1967** is the 20% darker color. If you saturate the color by 10%, you get **36.9515, 43.5885, 47.6053**, and if you desaturate by 10%, it is **45.4044, 47.8549, 52.1238**.

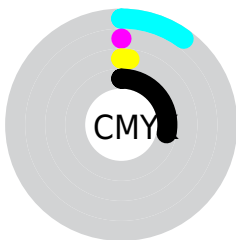
Distribution



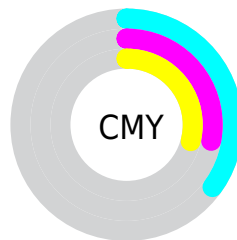
- Red (65%)
- Green (72%)
- Blue (71%)



- Red (65%)
- Yellow (69%)
- Blue (72%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)





- Cyan (35%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8958, 45.5756, 49.8216 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 40.8958, 45.5756, 49.8216 by changing the saturation by 10% instead.


 40.8958, 45.5756,
49.8216


 40.8958, 45.5756,
49.8216

340.9550,
369.0998, 402.6829

 28.4250, 31.9110,
34.9015


 75.8014, 83.5835,
91.3041

 18.7884, 21.2936,
23.3040


 98.9669, 108.6956,
118.7035

 11.6205, 13.3388,
14.6108


126.4280,
138.3924, 151.0998

 6.5562, 7.6622,
8.4031

158.5500,
173.0582, 188.9115

 3.2300, 3.8796,
4.2625

195.6984,
213.0775, 232.5571

 1.2765, 1.6064,
1.7704

238.2384,

 0.1655, 0.3619,

258.8345, 282.4552

0.4083

286.5355,
310.7139, 339.0243

■ 0.0000, 0.0000,
0.0000

■ 40.8958, 45.5756,
49.8216

■ 40.8958, 45.5756,
49.8216

■ 36.9515, 43.5885,
47.6053

■ 45.4044, 47.8549,
52.1238

■ 33.5441, 41.8756,
45.4705

■ 50.4955, 50.4319,
54.5104

■ 30.6497, 40.4260,
43.4163

■ 56.1913, 53.3193,
56.9839

■ 28.2412, 39.2256,
41.4411

■ 62.5116, 56.5274,
59.5456

■ 26.2887, 38.2590,
39.5430

■ 68.7344, 59.6839,
62.1622

■ 24.7592, 37.5093,
37.7200

■ 69.1914, 59.8667,
64.5689

■ 23.6149, 36.9569,
35.9698

■ 69.6600, 60.0541,
67.0364

■ 22.8114, 36.5791,
34.2898

■ 70.1402, 60.2462,
69.5652

■ 22.2711, 36.3346,
32.7270

■ 70.6322, 60.4430,
72.1557

Harmonies

Analogous

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



41.1817, 45.5756, 46.3348



40.8958, 45.5756, 49.8216



41.2483, 45.5756, 53.4235

Triad

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



40.8958, 45.5756, 49.8216



44.6253, 45.5756, 55.8964



44.5038, 45.5756, 43.6581

Complementary

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



40.8958, 45.5756, 49.8216



40.3854, 39.9665, 43.1240

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.



45.4563, 45.5756, 46.0092



40.8958, 45.5756, 49.8216



45.5275, 45.5756, 53.0655

Square

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



40.8958, 45.5756, 49.8216



43.3872, 45.5756, 57.0365



45.8345, 45.5756, 49.4271



43.2494, 45.5756, 42.8834

Rectangle

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



40.8958, 45.5756, 49.8216



41.8020, 45.5756, 55.3767



45.8345, 45.5756, 49.4271



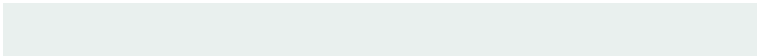
44.8707, 45.5756, 44.2843

Sweetspot

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



40.8971, 45.5775, 49.8226



79.9759, 85.5687, 93.3330



40.3207, 45.4475, 42.2452



17.0962, 18.3736, 20.0479



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



40.8971, 45.5775, 49.8226



72.7173, 81.9030, 89.5482



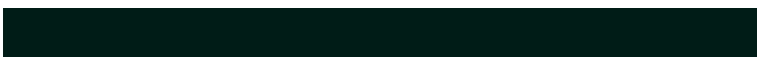
40.2136, 43.5485, 51.6358



9.1835, 10.1774, 11.1235



15.3748, 25.0509, 22.6934



0.5626, 0.8914, 0.9086

Inverse Universe

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



40.3854, 39.9665, 43.1240



71.6355, 70.0390, 75.3854



41.0070, 41.8018, 41.5054



9.0799, 9.0423, 9.7684



13.8946, 7.1316, 2.0658



0.5126, 0.2605, 0.1929

Previews

White Background



This preview shows how the XYZ color 40.8958, 45.5756, 49.8216 looks on a white background.

Color Contrast Check

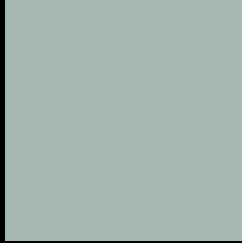
Large Text (above 18pt) WCAG AA × Fail

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 40.8958, 45.5756, 49.8216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

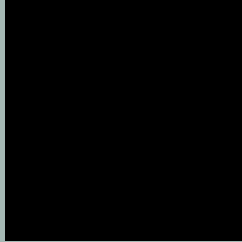
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

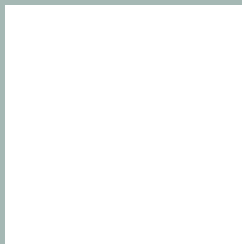
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8958, 45.5756, 49.8216

Background



This preview shows how black text looks on a background with the XYZ color 40.8958, 45.5756, 49.8216.



This preview shows how white text looks on a background with the XYZ color 40.8958, 45.5756,

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

40.8958, 45.5756, 49.8216

Protanopia

43.5844, 45.4818, 48.0767

Deuteranopia

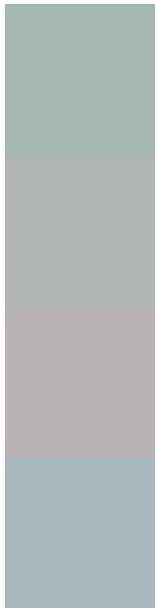
46.3445, 45.3853, 50.5736



Tritanopia

42.8402, 45.7663, 58.8004

Trichromacy



Original Color

40.8958, 45.5756, 49.8216

Protanomaly

42.4643, 45.4922, 48.6622

Deuteranomaly

44.2685, 45.4913, 50.1636

Tritanomaly

42.1641, 45.8002, 55.3332

Monochromacy



Original Color

40.8958, 45.5756, 49.8216

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.6915, 44.7814, 49.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8958, 45.5756, 49.8216 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(165, 184, 180)` looks like.

```
.text, #text, p{  
    color:rgb(165, 184, 180)  
}
```

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(165, 184, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 184, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.8958, 45.5756, 49.8216 is called "border". The border property can be set on classes, ids or directly on the HTML element.

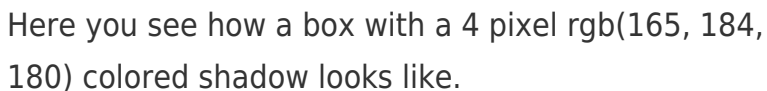
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 184, 180) }
```


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

```
.border{ border-color:rgb(165, 184, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 184, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 184, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 184, 180); box-shadow:4px 4px 4px 4px rgb(165, 184, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8958, 45.5756, 49.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 184, 180) }
```

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

```
.background{ background-color: rgb(165,  
184, 180) }
```

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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