

Converting Colors

XYZ(40.6973, 46.4988, 45.2289)

Have a look what the booklet for
XYZ(40.6973, 46.4988, 45.2289)
contains.

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Color

**XYZ(40.6381, 46.4803,
45.3578)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BBAB
RGB	165, 187, 171
RGB Percent	65%, 73%, 67%
CMY	0.3529, 0.2666, 0.3294
CMYK	0.12, 0.00, 0.09, 0.27
HSL	136°, 14%, 69%
HSV	136°, 12%, 73%
XYZ	40.6381, 46.4803, 45.3578
YIQ	178.5980, -7.9760, -9.6400

Conversions

Conversions Part 2

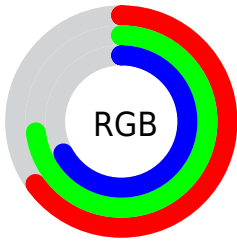
Format	Color
RYB	165, 182, 187
Decimal	10861483
CIELab	73.86, -10.63, 5.56
CIELCh	74, 11.998, 152.418
Yxy	46.4803, 0.3068, 0.3509
Android (android.graphics.Color)	4289051563 (0xFFA5BBAB)
YUV	178.5980, -3.7458, -11.9254
Hunter-Lab	68.1765, -12.9099, 8.2779

Details

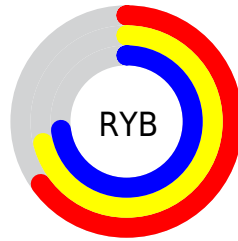
The XYZ color **40.6381, 46.4803, 45.3578** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2909, 40.8125, 49.3670**, and the grayscale version is **42.6573, 44.8788, 48.8730**.

A 20% lighter version of the original color is **75.2933, 84.8078, 84.3527**, and **18.6649, 21.8928, 20.6948** is the 20% darker color. If you saturate the color by 10%, you get **35.7989, 44.1291, 38.7088**, and if you desaturate by 10%, it is **46.1821, 49.1820, 52.7382**.

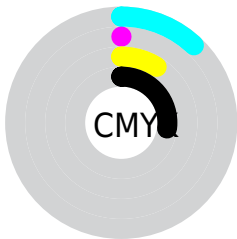
Distribution



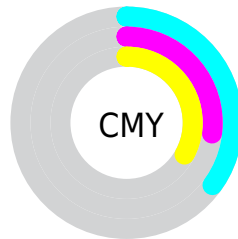
- Red (65%)
- Green (73%)
- Blue (67%)



- Red (65%)
- Yellow (71%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6381, 46.4803, 45.3578 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 40.6381, 46.4803, 45.3578 by changing the saturation by 10% instead.

■ 40.6381, 46.4803,
45.3578

■ 40.6381, 46.4803,
45.3578

339.8943,
372.7363, 384.4230

■ 28.2228, 32.6250,
31.3943

■ 75.4124, 84.9374,
84.5812

■ 18.6350, 21.8393,
20.6383

■ 98.5021, 110.3079,
110.6782

■ 11.5093, 13.7389,
12.6712

125.8807,
140.2856, 141.6569

■ 6.4803, 7.9393,
7.0745

157.9136,
175.2550, 177.9356

■ 3.1827, 4.0561,
3.4296

194.9660,
215.6003, 219.9331

■ 1.2511, 1.7050,
1.3179

237.4033,

■ 0.1461, 0.4269,

261.7061, 268.0678

0.0764

285.5910,
313.9566, 322.7583

■ 0.0000, 0.0000,
0.0000

■ 40.6381, 46.4803,
45.3578

■ 40.6381, 46.4803,
45.3578

■ 35.7989, 44.1291,
38.7088

■ 46.1821, 49.1820,
52.7382

■ 31.6321, 42.1082,
32.7658

■ 52.4539, 52.2418,
60.8682

■ 28.1082, 40.4044,
27.5064

■ 59.4803, 55.6743,
69.7693

■ 25.1944, 39.0011,
22.9059

■ 67.2856, 59.4917,
79.4611

■ 22.8545, 37.8802,
18.9381

■ 74.5921, 63.0348,
89.9017

■ 21.0487, 37.0218,
15.5751

■ 76.6783, 63.8693,
100.8874

■ 19.7315, 36.4032,
12.7866

■ 77.0612, 64.0225,
102.9037

■ 18.8496, 35.9973,
10.5400

■ 18.3687, 35.7814,
9.0697

Harmonies

Analogous

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



42.0135, 46.4803, 41.3181



40.6381, 46.4803, 45.3578



40.2018, 46.4803, 51.1069

Triad

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



40.6381, 46.4803, 45.3578



44.3516, 46.4803, 63.2893



47.7354, 46.4803, 44.5637

Complementary

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



40.6381, 46.4803, 45.3578



42.2909, 40.8125, 49.3670

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.



48.4084, 46.4803, 50.1146



40.6381, 46.4803, 45.3578



46.4159, 46.4803, 61.1980

Square

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



40.6381, 46.4803, 45.3578



42.3043, 46.4803, 61.7628



47.9180, 46.4803, 56.2509



46.1065, 46.4803, 40.8862

Rectangle

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



40.6381, 46.4803, 45.3578



40.4904, 46.4803, 55.2271



47.9180, 46.4803, 56.2509



48.0832, 46.4803, 46.2561

Sweetspot

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



40.6394, 46.4823, 45.3588



80.3121, 86.9127, 91.2936



43.6511, 48.0994, 42.5814



17.5155, 19.0565, 19.8787



90.7827, 95.5105, 104.0109



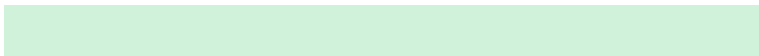
18.6292, 19.5994, 21.3438

Same Dimension

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



40.6394, 46.4823, 45.3588



70.5337, 82.1519, 78.1835



41.7187, 46.9140, 51.0422



9.5128, 10.6912, 10.6839



12.6820, 24.6631, 6.3884



0.5253, 0.9775, 0.4006

Inverse Universe

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



42.2909, 40.8125, 49.3670



74.0497, 70.0801, 86.7160



41.2185, 40.3835, 43.7197



9.8159, 9.6507, 11.4196



17.2140, 8.5168, 16.9525



0.7004, 0.3441, 0.8015

Previews

White Background



This preview shows how the XYZ color 40.6381, 46.4803, 45.3578 looks on a white background.

Color Contrast Check

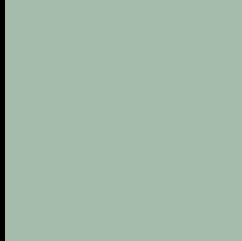
Large Text (above 18pt) WCAG AA × Fail

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 40.6381, 46.4803, 45.3578 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 40.6381, 46.4803, 45.3578

Background



This preview shows how black text looks on a background with the XYZ color 40.6381, 46.4803, 45.3578.



This preview shows how white text looks on a background with the XYZ color 40.6381, 46.4803,

45.3578.

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

40.6381, 46.4803, 45.3578

Protanopia

44.3308, 46.5663, 43.6975

Deuteranopia

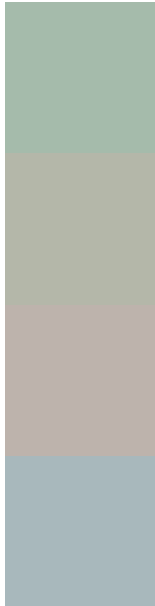
47.2299, 46.2336, 45.9699



Tritanopia

43.4887, 46.3792, 60.0861

Trichromacy



Original Color

40.6381, 46.4803, 45.3578

Protanomaly

42.9173, 46.4348, 44.2370

Deuteranomaly

44.5528, 46.0376, 45.5677

Tritanomaly

42.3660, 46.2367, 54.2686

Monochromacy



Original Color

40.6381, 46.4803, 45.3578

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.0200, 45.5892, 47.6592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6381, 46.4803, 45.3578 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, 187, 171)` looks like.

```
.text, #text, p{  
    color:rgb(165, 187, 171)  
}
```

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, 187, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 187, 171) }
```

Border

The CSS property to change the border of an element to XYZ 40.6381, 46.4803, 45.3578 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, 187, 171) }
```


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

```
.border{ border-color:rgb(165, 187, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 187, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 187, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 187, 171);  
box-shadow:4px 4px 4px 4px rgb(165, 187,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6381, 46.4803, 45.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 187, 171) }
```

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

```
.background{ background-color: rgb(165,  
187, 171) }
```

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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