

Converting Colors

XYZ(46.0098, 46.8416, 38.5155)

Have a look what the booklet for
XYZ(46.0098, 46.8416, 38.5155)
contains.

XYZ(46.0253, 46.9539, 38.5355)	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(46.0253, 46.9539,
38.5355)**

Conversions

Conversions Part 1

Format	Color
Hex	C8B39D
RGB	200, 179, 157
RGB Percent	78%, 70%, 62%
CMY	0.2157, 0.2980, 0.3843
CMYK	0.00, 0.10, 0.21, 0.22
HSL	31°, 28%, 70%
HSV	31°, 21%, 78%
XYZ	46.0253, 46.9539, 38.5355
YIQ	182.7710, 19.5780, -2.3900

Conversions

Conversions Part 2

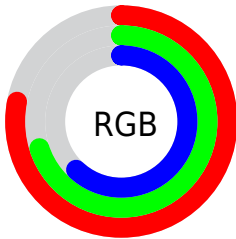
Format	Color
RYB	198, 200, 157
Decimal	13153181
CIELab	74.16, 4.01, 13.98
CIELCh	74, 14.544, 73.981
Yxy	46.9539, 0.3500, 0.3570
Android (android.graphics.Color)	4291343261 (0xFFC8B39D)
YUV	182.7710, -12.7051, 15.1098
Hunter-Lab	68.5229, -0.0207, 14.6229

Details

The XYZ color **46.0253, 46.9539, 38.5355** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.2500, 43.1778, 60.8565**, and the grayscale version is **44.9452, 47.2858, 51.4943**.

A 20% lighter version of the original color is **82.8320, 85.4301, 74.4113**, and **21.9164, 22.0733, 16.7411** is the 20% darker color. If you saturate the color by 10%, you get **42.5675, 42.5508, 29.6370**, and if you desaturate by 10%, it is **49.9037, 51.7504, 48.9543**.

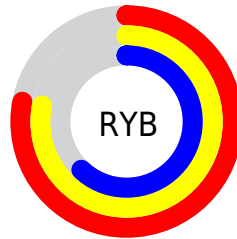
Distribution



Red (78%)

Green (70%)

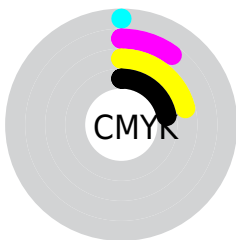
Blue (62%)



Red (78%)

Yellow (78%)

Blue (62%)

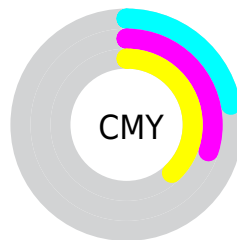


Cyan (0%)

Magenta (10%)

Yellow (21%)

Black (22%)



Cyan (22%)


Magenta (30%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0253, 46.9539, 38.5355 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 46.0253, 46.9539, 38.5355 by changing the saturation by 10% instead.


 46.0253, 46.9539,
38.5355

 46.0253, 46.9539,
38.5355


361.6246,
374.6305, 355.2784

 32.4705, 32.9992,
26.0935


 83.4845, 85.6448,
74.1407

 21.8784, 22.1258,
16.6672


 108.1196,
111.1498, 98.1410

 13.8837, 13.9494,
9.8381


137.1788,
141.2737, 126.8311

 8.1210, 8.0855,
5.1875

171.0276,
176.4009, 160.6296

 4.2249, 4.1497,
2.2970

210.0312,
216.9158, 199.9551

 1.8301, 1.7576,
0.7296

254.5549,

 0.5357, 0.4606,

263.2028, 245.2260

0.0000

304.9643,
315.6462, 296.8609

■ 0.0000, 0.0000,
0.0000

■ 46.0253, 46.9539,
38.5355

■ 46.0253, 46.9539,
38.5355

■ 42.5675, 42.5508,
29.6370

■ 49.9037, 51.7504,
48.9543

■ 39.5103, 38.5235,
22.1834

■ 54.2146, 56.9444,
60.9582

■ 36.8371, 34.8623,
16.0972

■ 58.9736, 62.5482,
74.6114

■ 34.5289, 31.5548,
11.2922

■ 64.1946, 68.5715,
89.9742

■ 32.5643, 28.5874,
7.6727

■ 69.5669, 74.8941,
105.3972

■ 30.9196, 25.9453,
5.1287

■ 72.3271, 80.4147,
106.3173

■ 29.5667, 23.6118,
3.5296

■ 75.2415, 86.2435,
107.2887

■ 28.6049, 21.8502,
2.7099

■ 77.6295, 91.0194,
108.0847

Harmonies

Analogous

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



48.3316, 46.9539, 41.7936



46.0253, 46.9539, 38.5355



43.4287, 46.9539, 38.4262

Triad

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



46.0253, 46.9539, 38.5355



39.9406, 46.9539, 54.6706



48.1988, 46.9539, 62.1612

Complementary

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



46.0253, 46.9539, 38.5355



40.2500, 43.1778, 60.8565

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.



45.8498, 46.9539, 66.3518



46.0253, 46.9539, 38.5355



41.1191, 46.9539, 61.7509

Square

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



46.0253, 46.9539, 38.5355



39.9835, 46.9539, 47.2662



43.2598, 46.9539, 66.1947



49.6195, 46.9539, 55.1879

Rectangle

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



46.0253, 46.9539, 38.5355



41.8860, 46.9539, 40.1250



43.2598, 46.9539, 66.1947



47.4877, 46.9539, 63.9709

Sweetspot

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



46.0265, 46.9560, 38.5365



90.3465, 94.3792, 95.6599



43.9630, 39.6283, 47.7156



19.2320, 20.0734, 20.1802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.0265, 46.9560, 38.5365



76.6810, 77.4976, 58.8906



50.5598, 56.0225, 40.0476



11.0751, 11.5193, 11.2025



18.2780, 14.0731, 1.7530



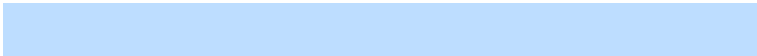
0.9378, 0.8111, 0.1071

Inverse Universe

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



40.2500, 43.1778, 60.8565



64.8375, 69.7517, 104.6539



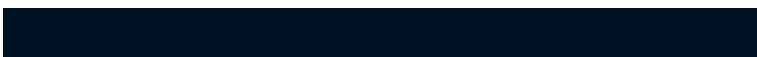
36.3875, 35.4528, 59.5690



10.4770, 11.1281, 13.5132



9.4745, 8.3430, 35.8554



0.5211, 0.5400, 1.7219

Previews

White Background



This preview shows how the XYZ color 46.0253, 46.9539, 38.5355 looks on a white background.

Color Contrast Check

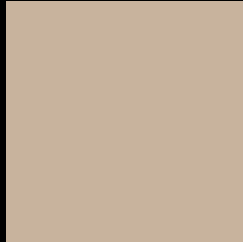
Large Text (above 18pt) WCAG AA × Fail

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 46.0253, 46.9539, 38.5355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

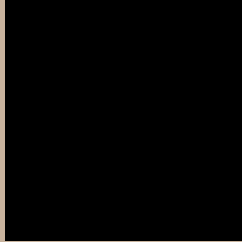
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0253, 46.9539, 38.5355

Background



This preview shows how black text looks on a background with the XYZ color 46.0253, 46.9539, 38.5355.



This preview shows how white text looks on a background with the XYZ color 46.0253, 46.9539,

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

46.0253, 46.9539, 38.5355

Protanopia

44.3854, 47.0009, 39.0805

Deuteranopia

47.9914, 47.0746, 38.9046



Tritanopia

49.3089, 47.1282, 54.0747

Trichromacy



Original Color

46.0253, 46.9539, 38.5355

Protanomaly

44.9436, 46.9857, 39.0481

Deuteranomaly

47.3473, 47.0347, 38.9309

Tritanomaly

48.0897, 46.9215, 48.1171

Monochromacy



Original Color

46.0253, 46.9539, 38.5355

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.3542, 47.3307, 46.7897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0253, 46.9539, 38.5355 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(200, 179, 157)` looks like.

```
.text, #text, p{  
    color:rgb(200, 179, 157)  
}
```

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(200, 179, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 179, 157) }
```

Border

The CSS property to change the border of an element to XYZ 46.0253, 46.9539, 38.5355 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(200, 179, 157) }
```


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

```
.border{ border-color:rgb(200, 179, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 179, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 179, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 179, 157);  
box-shadow:4px 4px 4px 4px rgb(200, 179,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0253, 46.9539, 38.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 179, 157) }
```

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

```
.background{ background-color: rgb(200,  
179, 157) }
```

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