

Converting Colors

XYZ(46.0983, 51.0374, 38.4119)

Have a look what the booklet for
XYZ(46.0983, 51.0374, 38.4119)
contains.

XYZ(46.0012, 51.0130, 38.4323)	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(46.0012, 51.0130,
38.4323)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC09B
RGB	190, 192, 155
RGB Percent	75%, 75%, 61%
CMY	0.2549, 0.2470, 0.3922
CMYK	0.01, 0.00, 0.19, 0.25
HSL	63°, 23%, 68%
HSV	63°, 19%, 75%
XYZ	46.0012, 51.0130, 38.4323
YIQ	187.1840, 10.6850, -11.9310

Conversions

Conversions Part 2

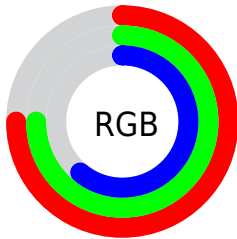
Format	Color
RYB	155, 192, 157
Decimal	12501147
CIELab	76.69, -6.95, 18.46
CIELCh	77, 19.725, 110.617
Yxy	51.0130, 0.3396, 0.3766
Android (android.graphics.Color)	4290691227 (0xFFBEC09B)
YUV	187.1840, -15.8667, 2.4696
Hunter-Lab	71.4234, -10.0256, 18.0929

Details

The XYZ color **46.0012, 51.0130, 38.4323** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.1424, 34.4179, 54.6632**, and the grayscale version is **47.4216, 49.8912, 54.3315**.

A 20% lighter version of the original color is **83.5580, 91.5621, 74.2420**, and **21.8847, 24.6990, 16.7106** is the 20% darker color. If you saturate the color by 10%, you get **44.2569, 50.2871, 30.5923**, and if you desaturate by 10%, it is **48.0065, 51.8470, 47.6250**.

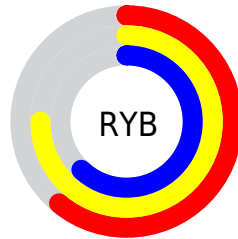
Distribution



Red (75%)

Green (75%)

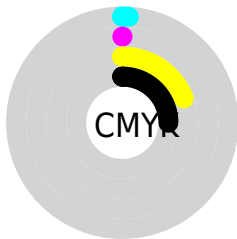
Blue (61%)



Red (61%)

Yellow (75%)

Blue (62%)

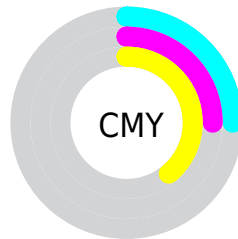


Cyan (1%)

Magenta (0%)

Yellow (19%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0012, 51.0130, 38.4323 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 46.0012, 51.0130, 38.4323 by changing the saturation by 10% instead.

■ 46.0012, 51.0130,
38.4323

■ 46.0012, 51.0130,
38.4323

361.5293,
390.6143, 354.8244

■ 32.4514, 36.2190,
26.0139

■ 83.4486, 91.6740,
73.9810

■ 21.8637, 24.6033,
16.6082

■ 108.0770,
118.3097, 97.9485

■ 13.8728, 15.7818,
9.7966

137.1289,
149.6615, 126.6027

■ 8.1134, 9.3699,
5.1604

170.9697,
186.1136, 160.3622

■ 4.2200, 4.9832,
2.2813

209.9648,
228.0506, 199.6456

■ 1.8273, 2.2374,
0.7207

254.4796,

■ 0.5341, 0.7403,

275.8568, 244.8715

0.0000

304.8793,
329.9165, 296.4582

■ 0.0000, 0.0000,
0.0000

■ 46.0012, 51.0130,
38.4323

■ 46.0012, 51.0130,
38.4323

■ 44.2569, 50.2871,
30.5923

■ 48.0065, 51.8470,
47.6250

■ 42.7575, 49.6576,
24.0381

■ 50.2800, 52.7867,
58.2267

■ 41.4912, 49.1216,
18.7019

■ 52.8338, 53.8388,
70.2943

■ 40.4438, 48.6734,
14.5086

■ 55.6778, 55.0071,
83.8806

■ 39.5993, 48.3066,
11.3745

■ 58.8217, 56.2957,
99.0361

■ 38.9398, 48.0139,
9.2048

■ 59.7285, 56.6896,
102.4019

■ 38.4441, 47.7870,
7.8877

■ 60.0005, 56.8298,
102.4146

■ 38.0740, 47.6105,
7.2232

■ 60.2743, 56.9710,
102.4274

■ 38.0485, 47.5983,
7.1820

■ 60.5501, 57.1131,
102.4403

Harmonies

Analogous

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



49.6666, 51.0130, 37.6228



46.0012, 51.0130, 38.4323



43.1446, 51.0130, 43.4897

Triad

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



46.0012, 51.0130, 38.4323



44.0708, 51.0130, 73.0067



55.9227, 51.0130, 58.9655

Complementary

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



46.0012, 51.0130, 38.4323



35.1424, 34.4179, 54.6632

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.



54.2517, 51.0130, 69.6434



46.0012, 51.0130, 38.4323



47.3249, 51.0130, 78.4086

Square

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



46.0012, 51.0130, 38.4323



42.0704, 51.0130, 63.1062



51.0594, 51.0130, 77.1045



55.5234, 51.0130, 48.6123

Rectangle

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



46.0012, 51.0130, 38.4323



42.0223, 51.0130, 48.9943



51.0594, 51.0130, 77.1045



55.5814, 51.0130, 62.6539

Sweetspot

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



46.0025, 51.0153, 38.4334



88.2345, 94.4577, 92.1078



39.6879, 37.6375, 36.1840



18.8727, 20.2409, 19.4973



92.9021, 97.7402, 106.4391



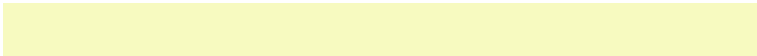
19.4759, 20.4902, 22.3138

Same Dimension

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



46.0025, 51.0153, 38.4334



81.9983, 91.8689, 63.5260



41.7045, 48.7995, 38.2322



10.8578, 11.7297, 10.7537



25.6227, 32.0378, 4.8335



1.1238, 1.3929, 0.2096

Inverse Universe

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



35.1424, 34.4179, 54.6632



58.8269, 56.4549, 98.1567



38.9952, 36.4041, 54.8435



9.5777, 9.7734, 12.6665



6.5111, 2.6170, 33.7186



0.2991, 0.1222, 1.4577

Previews

White Background



This preview shows how the XYZ color 46.0012, 51.0130, 38.4323 looks on a white background.

Color Contrast Check

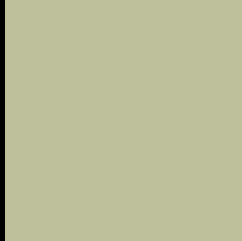
Large Text (above 18pt) WCAG AA × Fail

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 46.0012, 51.0130, 38.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

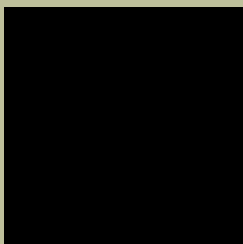
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

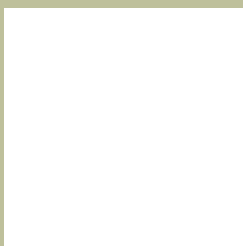
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0012, 51.0130, 38.4323

Background



This preview shows how black text looks on a background with the XYZ color 46.0012, 51.0130, 38.4323.



This preview shows how white text looks on a background with the XYZ color 46.0012, 51.0130,

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

46.0012, 51.0130, 38.4323

Protanopia

47.7668, 50.9745, 37.4585

Deuteranopia

52.0272, 50.9503, 38.9905



Tritanopia

50.7492, 51.0237, 61.8174

Trichromacy



Original Color

46.0012, 51.0130, 38.4323

Protanomaly

47.0111, 50.8958, 37.9180

Deuteranomaly

49.5721, 50.9280, 38.6698

Tritanomaly

48.8831, 50.8965, 52.5950

Monochromacy



Original Color

46.0012, 51.0130, 38.4323

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6745, 50.1817, 47.7835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0012, 51.0130, 38.4323 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(190, 192, 155)` looks like.

```
.text, #text, p{  
    color:rgb(190, 192, 155)  
}
```

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(190, 192, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 192, 155) }
```

Border

The CSS property to change the border of an element to XYZ 46.0012, 51.0130, 38.4323 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(190, 192, 155) }
```


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

```
.border{ border-color:rgb(190, 192, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 192, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 192, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 192, 155);  
box-shadow:4px 4px 4px 4px rgb(190, 192,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0012, 51.0130, 38.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 192, 155) }
```

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

```
.background{ background-color: rgb(190,  
192, 155) }
```

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