

Converting Colors

XYZ(38.9083, 43.0958, 18.6797)

Have a look what the booklet for
XYZ(38.9083, 43.0958, 18.6797)
contains.

XYZ(38.8101, 43.0752, 18.5808)	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(38.8101, 43.0752,
18.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB165
RGB	188, 177, 101
RGB Percent	74%, 69%, 40%
CMY	0.2627, 0.3059, 0.6039
CMYK	0.00, 0.06, 0.46, 0.26
HSL	52°, 39%, 57%
HSV	52°, 46%, 74%
XYZ	38.8101, 43.0752, 18.5808
YIQ	171.6250, 30.9520, -21.3040

Conversions

Conversions Part 2

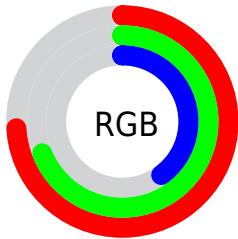
Format	Color
RYB	114, 188, 101
Decimal	12366181
CIELab	71.61, -6.67, 40.11
CIELCh	72, 40.662, 99.442
Yxy	43.0752, 0.3863, 0.4288
Android (android.graphics.Color)	4290556261 (0xFFBCB165)
YUV	171.6250, -34.8181, 14.3609
Hunter-Lab	65.6317, -9.3028, 29.1568

Details

The XYZ color **38.8101, 43.0752, 18.5808** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.2380, 17.9853, 49.9816**, and the grayscale version is **39.1834, 41.2240, 44.8929**.

A 20% lighter version of the original color is **72.6124, 79.6060, 41.6754**, and **17.6040, 19.8928, 6.0438** is the 20% darker color. If you saturate the color by 10%, you get **37.5275, 41.8193, 14.1171**, and if you desaturate by 10%, it is **40.3137, 44.4357, 24.1586**.

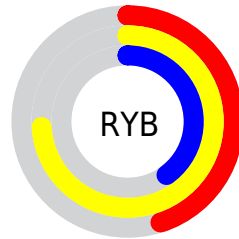
Distribution



Red (74%)

Green (69%)

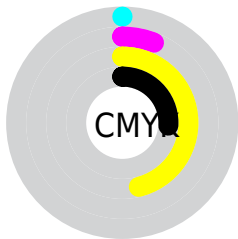
Blue (40%)



Red (45%)

Yellow (74%)

Blue (40%)

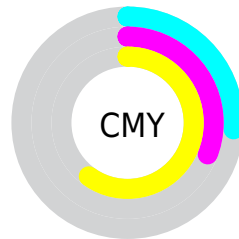


Cyan (0%)

Magenta (6%)

Yellow (46%)

Black (26%)



Cyan (26%)

Magenta (31%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8101, 43.0752, 18.5808 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 38.8101, 43.0752, 18.5808 by changing the saturation by 10% instead.

■ 38.8101, 43.0752,
18.5808

■ 38.8101, 43.0752,
18.5808

332.3035,
358.9209, 256.4698

■ 26.7921, 29.9441,
11.1940

■ 72.6441, 79.8243,
41.8518

■ 17.5529, 19.7962,
6.0817

■ 95.1907, 104.2112,
58.5730

■ 10.7272, 12.2470,
2.8252

■ 121.9776,
133.1187, 79.2429

■ 5.9497, 6.9121,
1.0061

■ 153.3702,
166.9314, 104.2799

■ 2.8549, 3.4072,
0.0000

189.7337,
206.0335, 134.1025

■ 1.0775, 1.3478,
0.0000

231.4335,

■ 0.0061, 0.1778,

250.8096, 169.1293

0.0000

278.8350,
301.6439, 209.7789

■ 0.0000, 0.0000,
0.0000

■ 38.8101, 43.0752,
18.5808

■ 38.8101, 43.0752,
18.5808

■ 37.5275, 41.8193,
14.1171

■ 40.3137, 44.4357,
24.1586

■ 36.4482, 40.6562,
10.6882

■ 42.0483, 45.9002,
30.9174

■ 35.5567, 39.5812,
8.2086

■ 44.0272, 47.4756,
38.9219

■ 34.8339, 38.5865,
6.5777

■ 46.2617, 49.1665,
48.2311

■ 34.2551, 37.6622,
5.6652

■ 48.7623, 50.9771,
58.9006

■ 34.0575, 37.3283,
5.4101

■ 51.5390, 52.9116,
70.9825

■ 54.6011, 54.9737,
84.5263

■ 57.9577, 57.1672,
99.5791

■ 59.0719, 58.4772,
102.7816

Harmonies

Analogous

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



45.7639, 43.0752, 19.6241



38.8101, 43.0752, 18.5808



33.1010, 43.0752, 23.3095

Triad

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



38.8101, 43.0752, 18.5808



31.5536, 43.0752, 75.3154



54.6159, 43.0752, 61.4997

Complementary

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



38.8101, 43.0752, 18.5808



20.2380, 17.9853, 49.9816

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.



49.9320, 43.0752, 82.6565



38.8101, 43.0752, 18.5808



36.4707, 43.0752, 92.0580

Square

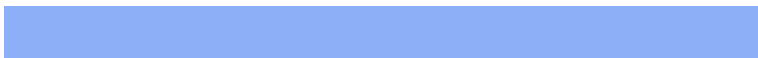
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.8101, 43.0752, 18.5808



29.2317, 43.0752, 53.3938



43.1499, 43.0752, 95.0672



55.4234, 43.0752, 40.9581

Rectangle

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



38.8101, 43.0752, 18.5808



30.5761, 43.0752, 30.1594



43.1499, 43.0752, 95.0672



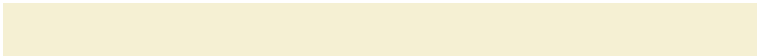
53.4194, 43.0752, 68.9152

Sweetspot

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



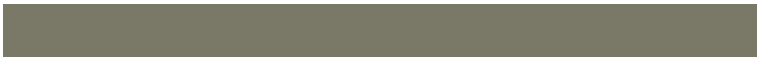
38.8111, 43.0772, 18.5817



80.5835, 86.6525, 73.7966



28.3511, 21.1824, 18.0999



17.1498, 18.4958, 15.1307



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.



38.8111, 43.0772, 18.5817



67.8771, 75.6514, 25.1318



34.0620, 43.9839, 19.0070



10.2166, 10.9092, 10.1438



23.2259, 25.4905, 3.6960



0.9389, 1.0568, 0.1545

Inverse Universe

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



20.2380, 17.9853, 49.9816



29.9386, 24.4271, 89.3632



23.3883, 17.9172, 49.8024



9.1111, 9.4145, 12.0092



6.4300, 2.9717, 32.6276



0.2841, 0.1808, 1.2888

Previews

White Background



This preview shows how the XYZ color 38.8101, 43.0752, 18.5808 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 38.8101, 43.0752, 18.5808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

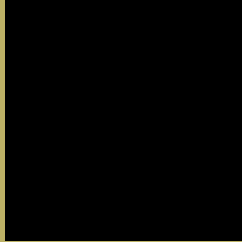
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8101, 43.0752, 18.5808

Background



This preview shows how black text looks on a background with the XYZ color 38.8101, 43.0752, 18.5808.



This preview shows how white text looks on a background with the XYZ color 38.8101, 43.0752,

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

38.8101, 43.0752, 18.5808

Protanopia

39.3685, 42.7865, 18.2403

Deuteranopia

43.7075, 42.7628, 18.7824



Tritanopia

45.1081, 43.0772, 49.6533

Trichromacy



Original Color

38.8101, 43.0752, 18.5808

Protanomaly

39.3114, 43.0471, 18.2936

Deuteranomaly

41.8630, 42.9225, 18.6488

Tritanomaly

42.2227, 42.7303, 35.7282

Monochromacy



Original Color

38.8101, 43.0752, 18.5808

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.6845, 41.8124, 33.2258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8101, 43.0752, 18.5808 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(188, 177, 101)` looks like.

```
.text, #text, p{  
    color:rgb(188, 177, 101)  
}
```

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(188, 177, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 177, 101) }
```

Border

The CSS property to change the border of an element to XYZ 38.8101, 43.0752, 18.5808 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(188, 177, 101) }
```


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

```
.border{ border-color:rgb(188, 177, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 177, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 177, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 177, 101);  
box-shadow:4px 4px 4px 4px rgb(188, 177,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8101, 43.0752, 18.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 177, 101) }
```

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

```
.background{ background-color: rgb(188,  
177, 101) }
```

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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