

Converting Colors

XYZ(38.7873, 50.3952, 19.7471)

Have a look what the booklet for
XYZ(38.7873, 50.3952, 19.7471)
contains.

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Color

**XYZ(38.6804, 50.3356,
19.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C864
RGB	166, 200, 100
RGB Percent	65%, 78%, 39%
CMY	0.3490, 0.2157, 0.6078
CMYK	0.17, 0.00, 0.50, 0.22
HSL	80°, 48%, 59%
HSV	80°, 50%, 78%
XYZ	38.6804, 50.3356, 19.7337
YIQ	178.4340, 11.8360, -38.3080

Conversions

Conversions Part 2

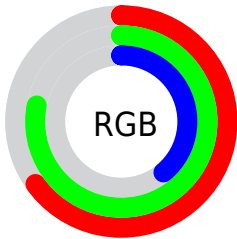
Format	Color
RYB	100, 200, 134
Decimal	10930276
CIELab	76.27, -27.21, 45.91
CIELCh	76, 53.369, 120.652
Yxy	50.3356, 0.3557, 0.4629
Android (android.graphics.Color)	4289120356 (0xFFA6C864)
YUV	178.4340, -38.6680, -10.9046
Hunter-Lab	70.9476, -26.8406, 33.1721

Details

The XYZ color **38.6804, 50.3356, 19.7337** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.8160, 18.3542, 56.8812**, and the grayscale version is **42.7423, 44.9683, 48.9704**.

A 20% lighter version of the original color is **71.9412, 89.5079, 43.6220**, and **17.5154, 24.2243, 6.6583** is the 20% darker color. If you saturate the color by 10%, you get **36.4410, 49.2812, 15.1815**, and if you desaturate by 10%, it is **41.2353, 51.5284, 25.5430**.

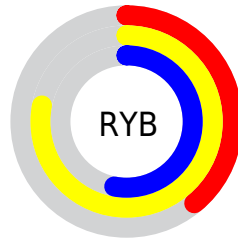
Distribution



Red (65%)

Green (78%)

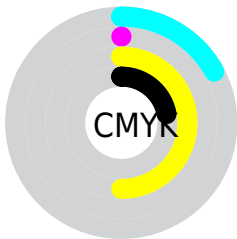
Blue (39%)



Red (39%)

Yellow (78%)

Blue (53%)

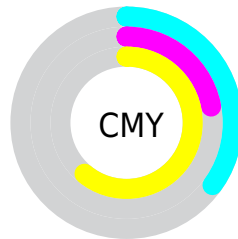


Cyan (17%)

Magenta (0%)

Yellow (50%)

Black (22%)



Cyan (35%)


Magenta (22%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6804, 50.3356, 19.7337 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 38.6804, 50.3356, 19.7337 by changing the saturation by 10% instead.


 38.6804, 50.3356,
19.7337


 38.6804, 50.3356,
19.7337


331.7604,
387.9769, 263.0262


 26.6908, 35.6801,
12.0195

 72.4470, 90.6719,
43.8233


 17.4765, 24.1873,
6.6342


 94.9548, 117.1216,
61.0358

 10.6722, 15.4726,
3.1595


 121.6992,
148.2714, 82.2515

 5.9125, 9.1517,
1.1766

 153.0458,
184.5058, 107.8889

 2.8321, 4.8403,
0.0000

189.3599,
226.2091, 138.3665

 1.0656, 2.1539,
0.0000

231.0068,

 0.0000, 0.6947,

273.7658, 174.1029

0.0000

278.3518,
327.5603, 215.5166

■ 0.0000, 0.0000,
0.0000

■ 38.6804, 50.3356,
19.7337

■ 38.6804, 50.3356,
19.7337

■ 36.4410, 49.2812,
15.1815

■ 41.2353, 51.5284,
25.5430

■ 34.4945, 48.3508,
11.7898

■ 44.1191, 52.8598,
32.6901

■ 32.8209, 47.5380,
9.4535


■ 47.3486, 54.3385,
41.2525


■ 31.3951, 46.8326,
8.0468

■ 50.9384, 55.9704,
51.3012

■ 30.1703, 46.2158,
7.3304


■ 54.9020, 57.7611,
62.9022

 30.1703, 46.2158,
7.3304

 59.2523, 59.7157,
76.1175

 64.0014, 61.8394,
91.0058

 68.3441, 63.8100,
103.3222

 70.4498, 64.8955,
103.4207

Harmonies

Analogous

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



47.6237, 50.3356, 16.0864



38.6804, 50.3356, 19.7337



32.9424, 50.3356, 31.9753

Triad

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



38.6804, 50.3356, 19.7337



39.0107, 50.3356, 118.3110



69.7992, 50.3356, 54.1818

Complementary

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



38.6804, 50.3356, 19.7337



24.8160, 18.3542, 56.8812

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.



66.6693, 50.3356, 86.5273



38.6804, 50.3356, 19.7337



48.0619, 50.3356, 130.5265

Square

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



38.6804, 50.3356, 19.7337



33.1135, 50.3356, 88.0092



58.3479, 50.3356, 117.2660



66.3964, 50.3356, 31.2225

Rectangle

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



38.6804, 50.3356, 19.7337



31.2446, 50.3356, 46.3272



58.3479, 50.3356, 117.2660



69.4723, 50.3356, 64.2630

Sweetspot

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



38.6816, 50.3378, 19.7348



84.8676, 95.3928, 79.4149



34.5548, 30.0676, 16.0397



17.8845, 20.2903, 16.2175



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.



38.6816, 50.3378, 19.7348



62.7797, 85.1721, 25.7014



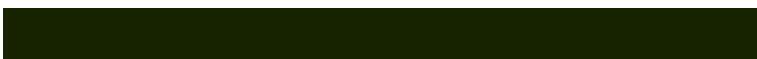
30.2476, 45.9899, 19.3401



11.1601, 12.2295, 11.3351



19.2813, 29.4352, 4.6653



0.9882, 1.4325, 0.2244

Inverse Universe

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



24.8160, 18.3542, 56.8812



36.1328, 23.5953, 97.2577



34.5922, 23.3940, 57.3387



10.3910, 10.4598, 13.3888



8.2316, 3.4778, 34.9818



0.4674, 0.2047, 1.6600

Previews

White Background



This preview shows how the XYZ color 38.6804, 50.3356, 19.7337 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 38.6804, 50.3356, 19.7337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

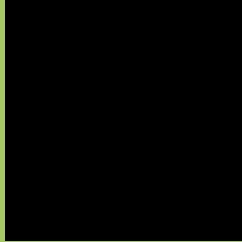
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6804, 50.3356, 19.7337

Background



This preview shows how black text looks on a background with the XYZ color 38.6804, 50.3356, 19.7337.



This preview shows how white text looks on a background with the XYZ color 38.6804, 50.3356,

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

38.6804, 50.3356, 19.7337

Protanopia

45.8267, 50.0764, 18.3167

Deuteranopia

50.9830, 49.9181, 20.3127



Tritanopia

47.6871, 50.3385, 64.3297

Trichromacy



Original Color

38.6804, 50.3356, 19.7337

Protanomaly

42.7455, 49.7688, 18.6627

Deuteranomaly

45.6721, 49.6417, 20.0066

Tritanomaly

43.4085, 49.8918, 43.4186

Monochromacy



Original Color

38.6804, 50.3356, 19.7337

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5195, 46.3185, 35.6589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6804, 50.3356, 19.7337 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(166, 200, 100)` looks like.

```
.text, #text, p{  
    color:rgb(166, 200, 100)  
}
```

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(166, 200, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 100) }
```

Border

The CSS property to change the border of an element to XYZ 38.6804, 50.3356, 19.7337 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(166, 200, 100) }
```


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

```
.border{ border-color:rgb(166, 200, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 200, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 200, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 200, 100);  
box-shadow:4px 4px 4px 4px rgb(166, 200,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6804, 50.3356, 19.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 100) }
```

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

```
.background{ background-color: rgb(166,  
200, 100) }
```

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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