

Converting Colors

XYZ(33.0290, 37.9720, 20.5088)

Have a look what the booklet for
XYZ(33.0290, 37.9720, 20.5088)
contains.

XYZ(33.1803, 38.1126, 20.6466)	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(33.1803, 38.1126,
20.6466)**

Conversions

Conversions Part 1

Format	Color
Hex	A7AA6F
RGB	167, 170, 111
RGB Percent	65%, 67%, 44%
CMY	0.3451, 0.3333, 0.5647
CMYK	0.02, 0.00, 0.35, 0.33
HSL	63°, 26%, 55%
HSV	63°, 35%, 67%
XYZ	33.1803, 38.1126, 20.6466
YIQ	162.3770, 17.1510, -18.9850

Conversions

Conversions Part 2

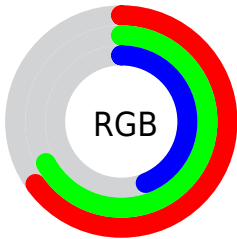
Format	Color
RYB	111, 170, 114
Decimal	10988143
CIELab	68.10, -10.45, 30.10
CIELCh	68, 31.868, 109.151
Yxy	38.1126, 0.3609, 0.4145
Android (android.graphics.Color)	4289178223 (0xFFA7AA6F)
YUV	162.3770, -25.3289, 4.0544
Hunter-Lab	61.7354, -12.1004, 23.3860

Details

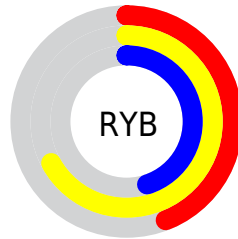
The XYZ color **33.1803, 38.1126, 20.6466** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.8810, 17.8495, 40.4298**, and the grayscale version is **34.6298, 36.4333, 39.6759**.

A 20% lighter version of the original color is **63.9675, 72.1827, 45.2115**, and **14.2874, 16.8821, 7.0630** is the 20% darker color. If you saturate the color by 10%, you get **32.1501, 37.6808, 16.1686**, and if you desaturate by 10%, it is **34.3918, 38.6198, 26.0646**.

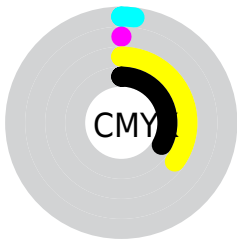
Distribution



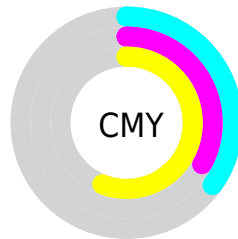
- Red (65%)
- Green (67%)
- Blue (44%)



- Red (44%)
- Yellow (67%)
- Blue (45%)



- Cyan (2%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)





- Cyan (35%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1803, 38.1126, 20.6466 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 33.1803, 38.1126, 20.6466 by changing the saturation by 10% instead.


 33.1803, 38.1126,
20.6466

 33.1803, 38.1126,
20.6466


308.1120,
338.1027, 268.1134

 22.4245, 26.0701,
12.6772


 64.0097, 72.2807,
45.3718


 14.2875, 16.8761,
7.0785

 84.8140, 95.1751,
62.9646

 8.4039, 10.1462,
3.4321


 109.6986,
122.4555, 84.6024

 4.4085, 5.4960,
1.3193

 139.0287,
154.5064, 110.7035

 1.9357, 2.5411,
0.0775

173.1698,
191.7122, 141.6867

 0.5975, 0.8972,
0.0000

212.4871,

 0.0000, 0.0000,

234.4573, 177.9704

0.0000

257.3461,
283.1260, 219.9731

■ 33.1803, 38.1126,
20.6466

■ 33.1803, 38.1126,
20.6466

■ 32.1501, 37.6808,
16.1686

■ 34.3918, 38.6198,
26.0646

■ 31.2882, 37.3151,
12.5748

■ 35.7912, 39.2008,
32.4693

■ 30.5844, 37.0128,
9.8073

■ 37.3880, 39.8610,
39.9072

■ 30.0262, 36.7689,
7.8001

■ 39.1903, 40.6036,
48.4214

■ 29.5992, 36.5776,
6.4774

■ 41.2060, 41.4316,
58.0522

■ 29.2858, 36.4319,
5.7470

■ 43.4422, 42.3480,
68.8380

■ 29.1438, 36.3644,
5.4830

■ 45.9059, 43.3555,
80.8154

■ 48.6037, 44.4569,
94.0193

■ 50.0578, 45.0608,
100.6670

Harmonies

Analogous

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



38.0529, 38.1126, 20.0096



33.1803, 38.1126, 20.6466



29.4682, 38.1126, 26.0518

Triad

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



33.1803, 38.1126, 20.6466



30.3287, 38.1126, 65.8257



46.4409, 38.1126, 46.8638

Complementary

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



33.1803, 38.1126, 20.6466



19.8810, 17.8495, 40.4298

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.



43.9426, 38.1126, 62.0892



33.1803, 38.1126, 20.6466



34.4563, 38.1126, 74.5867

Square

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



33.1803, 38.1126, 20.6466



27.9289, 38.1126, 51.1367



39.4502, 38.1126, 73.0814



46.0198, 38.1126, 33.1539

Rectangle

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



33.1803, 38.1126, 20.6466



28.0104, 38.1126, 32.5023



39.4502, 38.1126, 73.0814



45.9063, 38.1126, 52.0173

Sweetspot

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



33.1813, 38.1143, 20.6474



66.2014, 71.6457, 64.7783



25.4597, 21.7181, 17.8896



14.6763, 15.9413, 14.0418



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.1813, 38.1143, 20.6474



58.6689, 68.5071, 30.7861



27.6523, 35.2640, 20.3887



8.1086, 8.7541, 8.0516



21.4518, 26.7560, 4.0338



0.5329, 0.6567, 0.0987

Inverse Universe

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



19.8810, 17.8495, 40.4298



30.7109, 25.9010, 72.3826



24.3471, 20.1519, 40.6388



7.1658, 7.3181, 9.4532



5.4316, 2.1835, 28.1107



0.1429, 0.0586, 0.6844

Previews

White Background



This preview shows how the XYZ color 33.1803, 38.1126, 20.6466 looks on a white background.

Color Contrast Check

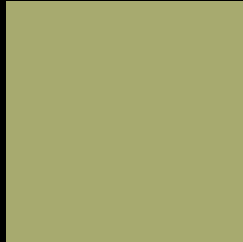
Large Text (above 18pt) WCAG AA × Fail

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 33.1803, 38.1126, 20.6466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

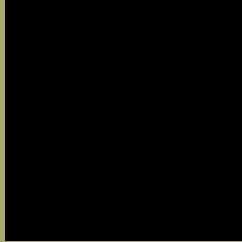
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1803, 38.1126, 20.6466

Background



This preview shows how black text looks on a background with the XYZ color 33.1803, 38.1126, 20.6466.



This preview shows how white text looks on a background with the XYZ color 33.1803, 38.1126,

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

33.1803, 38.1126, 20.6466

Protanopia

35.2189, 38.0799, 19.9619

Deuteranopia

38.6675, 37.9943, 20.9184



Tritanopia

38.3374, 38.0498, 45.8812

Trichromacy



Original Color

33.1803, 38.1126, 20.6466

Protanomaly

34.3124, 37.8772, 20.2544

Deuteranomaly

36.5153, 37.9290, 20.7257

Tritanomaly

36.1359, 37.9479, 35.1259

Monochromacy



Original Color

33.1803, 38.1126, 20.6466

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.7229, 36.7860, 31.3096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1803, 38.1126, 20.6466 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(167, 170, 111)` looks like.

```
.text, #text, p{  
    color:rgb(167, 170, 111)  
}
```

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(167, 170, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 170, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.1803, 38.1126, 20.6466 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(167, 170, 111) }
```


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

```
.border{ border-color:rgb(167, 170, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 170, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 170, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 170, 111);  
box-shadow:4px 4px 4px 4px rgb(167, 170,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1803, 38.1126, 20.6466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 170, 111) }
```

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

```
.background{ background-color: rgb(167,  
170, 111) }
```

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