

Converting Colors

XYZ(33.3387, 38.6433, 18.4961)

Have a look what the booklet for
XYZ(33.3387, 38.6433, 18.4961)
contains.

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Color

**XYZ(33.1595, 38.4299,
18.5020)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AB67
RGB	168, 171, 103
RGB Percent	66%, 67%, 40%
CMY	0.3412, 0.3294, 0.5961
CMYK	0.02, 0.00, 0.40, 0.33
HSL	63°, 29%, 54%
HSV	63°, 40%, 67%
XYZ	33.1595, 38.4299, 18.5020
YIQ	162.3510, 20.0400, -21.7840

Conversions

Conversions Part 2

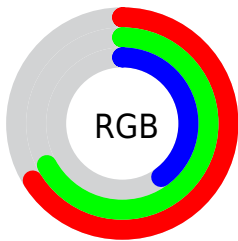
Format	Color
RYB	103, 171, 106
Decimal	11053927
CIELab	68.34, -11.53, 34.63
CIELCh	68, 36.500, 108.417
Yxy	38.4299, 0.3681, 0.4266
Android (android.graphics.Color)	4289244007 (0xFFA8AB67)
YUV	162.3510, -29.2600, 4.9542
Hunter-Lab	61.9919, -13.0059, 25.6987

Details

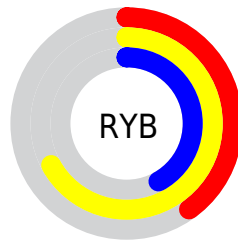
The XYZ color **33.1595, 38.4299, 18.5020** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1462, 15.7059, 40.6055**, and the grayscale version is **34.6346, 36.4383, 39.6813**.

A 20% lighter version of the original color is **63.8532, 72.6066, 41.6594**, and **14.3329, 17.1048, 6.0362** is the 20% darker color. If you saturate the color by 10%, you get **32.2275, 38.0399, 14.4272**, and if you desaturate by 10%, it is **34.2699, 38.8941, 23.5030**.

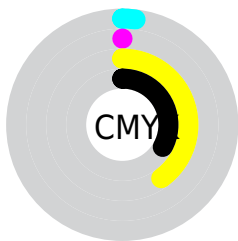
Distribution



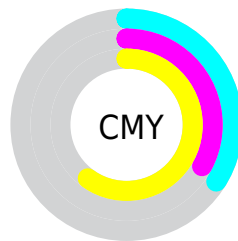
- Red (66%)
- Green (67%)
- Blue (40%)



- Red (40%)
- Yellow (67%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (33%)





- Cyan (34%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1595, 38.4299, 18.5020 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 33.1595, 38.4299, 18.5020 by changing the saturation by 10% instead.


 33.1595, 38.4299,
18.5020


 33.1595, 38.4299,
18.5020


308.0201,
339.4605, 256.0160


 22.4085, 26.3165,
11.1378


 63.9775, 72.7666,
41.7163

 14.2756, 17.0606,
6.0443


 84.7752, 95.7587,
58.4035

 8.3956, 10.2777,
2.8028


 109.6524,
123.1458, 79.0355

 4.4030, 5.5835,
0.9948

 138.9746,
155.3123, 104.0308

 1.9326, 2.5935,
0.0000

173.1072,
192.6427, 133.8080

 0.5957, 0.9234,
0.0000

212.4153,

 0.0000, 0.0000,

235.5212, 168.7856

0.0000

257.2646,
284.3324, 209.3820

■ 33.1595, 38.4299,
18.5020

■ 33.1595, 38.4299,
18.5020

■ 32.2275, 38.0399,
14.4272

■ 34.2699, 38.8941,
23.5030

■ 31.4603, 37.7146,
11.2194

■ 35.5657, 39.4311,
29.4798

■ 30.8468, 37.4509,
8.8165


■ 37.0571, 40.0465,
36.4811


■ 30.3736, 37.2434,
7.1470


■ 38.7524, 40.7436,
44.5520


■ 30.0246, 37.0857,
6.1268


■ 40.6598, 41.5257,
53.7347


 29.7659, 36.9642,
5.5775

 42.7869, 42.3957,
64.0691

 29.7600, 36.9615,
5.5658

 45.1409, 43.3566,
75.5933

 47.7285, 44.4110,
88.3434

 50.2481, 45.4384,
100.7299

Harmonies

Analogous

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



38.7805, 38.4299, 17.9434



33.1595, 38.4299, 18.5020



28.8992, 38.4299, 24.2208

Triad

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



33.1595, 38.4299, 18.5020



29.6999, 38.4299, 70.1158



48.3999, 38.4299, 48.4947

Complementary

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



33.1595, 38.4299, 18.5020



18.1462, 15.7059, 40.6055

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.



45.3899, 38.4299, 66.4349



33.1595, 38.4299, 18.5020



34.3616, 38.4299, 80.9255

Square

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



33.1595, 38.4299, 18.5020



27.0503, 38.4299, 52.6092



40.1140, 38.4299, 79.4257



47.9915, 38.4299, 32.6571

Rectangle

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



33.1595, 38.4299, 18.5020



27.2209, 38.4299, 31.2899



40.1140, 38.4299, 79.4257



47.7426, 38.4299, 54.5379

Sweetspot

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



33.1604, 38.4316, 18.5028



65.6771, 71.4343, 62.0917



24.3228, 19.7957, 15.3715



14.5697, 15.8986, 13.4863



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.



33.1604, 38.4316, 18.5028



57.8552, 68.1830, 26.4404



26.9614, 35.2359, 18.2127



8.6272, 9.3119, 8.5560



22.4454, 27.8681, 4.1961



0.6349, 0.7807, 0.1172

Inverse Universe

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



18.1462, 15.7059, 40.6055



27.0919, 21.6080, 71.7447



22.8942, 18.1536, 40.8277



7.6104, 7.7735, 10.0520



5.6245, 2.2594, 29.1842



0.1668, 0.0682, 0.8124

Previews

White Background



This preview shows how the XYZ color 33.1595, 38.4299, 18.5020 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 33.1595, 38.4299, 18.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

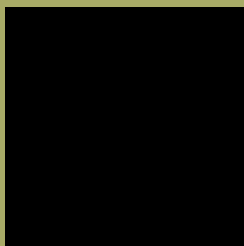
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

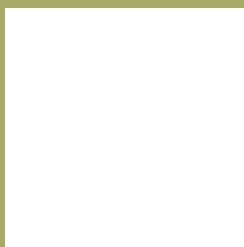
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1595, 38.4299, 18.5020

Background



This preview shows how black text looks on a background with the XYZ color 33.1595, 38.4299, 18.5020.



This preview shows how white text looks on a background with the XYZ color 33.1595, 38.4299,

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

33.1595, 38.4299, 18.5020

Protanopia

35.4591, 38.5221, 17.8785

Deuteranopia

39.0870, 38.2544, 18.9594



Tritanopia

38.5627, 38.1659, 45.8917

Trichromacy



Original Color

33.1595, 38.4299, 18.5020

Protanomaly

34.5324, 38.3117, 18.1452

Deuteranomaly

36.6333, 38.0331, 18.7749

Tritanomaly

36.1135, 37.9644, 33.8583

Monochromacy



Original Color

33.1595, 38.4299, 18.5020

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5727, 36.7259, 30.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1595, 38.4299, 18.5020 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(168, 171, 103)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 103)  
}
```

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(168, 171, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 103) }
```

Border

The CSS property to change the border of an element to XYZ 33.1595, 38.4299, 18.5020 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(168, 171, 103) }
```


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

```
.border{ border-color:rgb(168, 171, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 171, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 103);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1595, 38.4299, 18.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 103) }
```

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

```
.background{ background-color: rgb(168,  
171, 103) }
```

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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