

Converting Colors

XYZ(19.3618, 34.8393, 18.4285)

Have a look what the booklet for
XYZ(19.3618, 34.8393, 18.4285)
contains.

XYZ(19.3817, 34.8462, 18.5364)	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(19.3817, 34.8462,
18.5364)**

Conversions

Conversions Part 1

Format	Color
Hex	00B767
RGB	0, 183, 103
RGB Percent	0%, 72%, 40%
CMY	0.9999, 0.2823, 0.5961
CMYK	1.00, 0.00, 0.44, 0.28
HSL	154°, 100%, 36%
HSV	154°, 100%, 72%
XYZ	19.3817, 34.8462, 18.5364
YIQ	119.1630, -83.3880, -63.6760

Conversions

Conversions Part 2

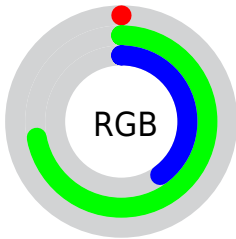
Format	Color
RYB	0, 117, 183
Decimal	46951
CIELab	65.63, -57.55, 29.89
CIELCh	66, 64.851, 152.551
Yxy	34.8462, 0.2664, 0.4789
Android (android.graphics.Color)	4278237031 (0xFF00B767)
YUV	119.1630, -7.9684, -104.5060
Hunter-Lab	59.0307, -44.6963, 22.7036

Details

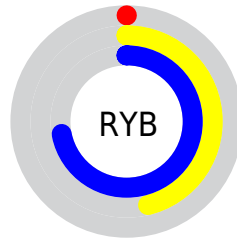
The XYZ color **19.3817, 34.8462, 18.5364** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.9779, 10.6474, 8.5423**, and the grayscale version is **17.6316, 18.5498, 20.2008**.

A 20% lighter version of the original color is **41.7958, 67.1196, 41.7629**, and **8.3850, 15.7047, 6.0794** is the 20% darker color. If you saturate the color by 10%, you get **19.3820, 34.8473, 18.5353**, and if you desaturate by 10%, it is **20.0589, 35.1476, 20.7667**.

Distribution



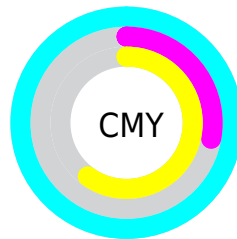
- Red (0%)
- Green (72%)
- Blue (40%)



- Red (0%)
- Yellow (46%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3817, 34.8462, 18.5364 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 19.3817, 34.8462, 18.5364 by changing the saturation by 10% instead.


 19.3817, 34.8462,
18.5364


 19.3817, 34.8462,
18.5364

241.4458,
323.8889, 256.2142


 12.0520, 23.5444,
11.1624


 41.8900, 67.2474,
41.7755


 6.8516, 14.9960,
6.0606


 57.7994, 89.1157,
58.4775


 3.4150, 8.8166,
2.8126


 77.2993, 115.2749,
79.1261

 1.3768, 4.6217,
0.9998

 100.7553,
146.1094, 104.1396

 0.2396, 2.0271,
0.0000

 128.5325,
182.0037, 133.9366

 0.0000, 0.6231,
0.0000

 160.9965,

 0.0000, 0.0000,

223.3421, 168.9357

0.0000

198.5124,
270.5091, 209.5554

■ 19.3817, 34.8462,
18.5364

■ 19.3817, 34.8462,
18.5364

■ 19.3820, 34.8473,
18.5353

■ 20.0589, 35.1476,
20.7667

■ 21.0134, 35.5864,
23.2153

■ 22.3362, 36.2105,
25.8923

■ 24.0718, 37.0426,
28.8049

■ 26.2581, 38.1021,
31.9595

■ 28.9284, 39.4061,
35.3626

■ 32.1127, 40.9701,
39.0199

■ 35.8386, 42.8080,
42.9373

■ 40.1316, 44.9330,
47.1201

Harmonies

Analogous

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



24.2116, 34.8462, 8.6799



19.3817, 34.8462, 18.5364



17.9868, 34.8462, 40.3240

Triad

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



19.3817, 34.8462, 18.5364



33.9420, 34.8462, 118.1592



51.0795, 34.8462, 16.1399

Complementary

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



19.3817, 34.8462, 18.5364



20.9779, 10.6474, 8.5423

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.



54.9913, 34.8462, 35.6549



19.3817, 34.8462, 18.5364



43.9833, 34.8462, 101.5458

Square

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



19.3817, 34.8462, 18.5364



25.3753, 34.8462, 106.1122



52.1753, 34.8462, 67.6173



42.2997, 34.8462, 7.8357

Rectangle

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



19.3817, 34.8462, 18.5364



18.9226, 34.8462, 61.8197



52.1753, 34.8462, 67.6173



53.0760, 34.8462, 21.1724

Sweetspot

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



19.3826, 34.8476, 18.5372



57.2007, 73.2213, 69.5399



20.4453, 35.6783, 5.8095



12.0835, 15.9017, 14.7410



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.3826, 34.8476, 18.5372



34.5938, 62.3617, 32.5743



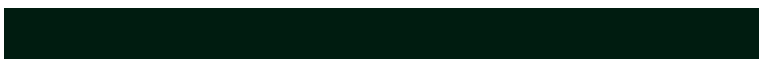
23.6555, 33.6347, 50.0467



9.0963, 10.1425, 10.6645



13.5557, 24.3232, 13.1142



0.5084, 0.8697, 0.6230

Inverse Universe

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



20.9779, 10.6474, 8.5423



37.4577, 19.0234, 14.7096



19.6287, 10.2667, 0.9476



9.1633, 9.0757, 10.2073



14.6669, 7.4405, 6.1329



0.5482, 0.2748, 0.3805

Previews

White Background



This preview shows how the XYZ color 19.3817, 34.8462, 18.5364 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 19.3817, 34.8462, 18.5364 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 19.3817, 34.8462, 18.5364

Background



This preview shows how black text looks on a background with the XYZ color 19.3817, 34.8462, 18.5364.



This preview shows how white text looks on a background with the XYZ color 19.3817, 34.8462,

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

19.3817, 34.8462, 18.5364

Protanopia

31.4808, 34.1461, 15.5213

Deuteranopia

34.9221, 34.0997, 19.7802



Tritanopia

26.2971, 34.7039, 52.3262

Trichromacy



Original Color

19.3817, 34.8462, 18.5364



Protanomaly

22.4068, 31.8155, 16.2693



Deuteranomaly

23.5497, 31.2702, 18.9819



Tritanomaly

22.7192, 34.3582, 36.8869

Monochromacy



Original Color

19.3817, 34.8462, 18.5364



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.6341, 22.0748, 19.0596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3817, 34.8462, 18.5364 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(0, 183, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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(0, 183, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 103) }
```

Border

The CSS property to change the border of an element to XYZ 19.3817, 34.8462, 18.5364 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(0, 183, 103) }
```


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

```
.border{ border-color:rgb(0, 183, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3817, 34.8462, 18.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 103) }
```

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

```
.background{ background-color: rgb(0, 183,  
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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