

Converting Colors

XYZ(19.2889, 34.6292, 18.6026)

Have a look what the booklet for
XYZ(19.2889, 34.6292, 18.6026)
contains.

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Color

**XYZ(19.1761, 34.4352,
18.4679)**

Conversions

Conversions Part 1

Format	Color
Hex	00B667
RGB	0, 182, 103
RGB Percent	0%, 71%, 40%
CMY	1.0000, 0.2863, 0.5961
CMYK	1.00, 0.00, 0.43, 0.29
HSL	154°, 100%, 36%
HSV	154°, 100%, 71%
XYZ	19.1761, 34.4352, 18.4679
YIQ	118.5760, -83.1130, -63.1530

Conversions

Conversions Part 2

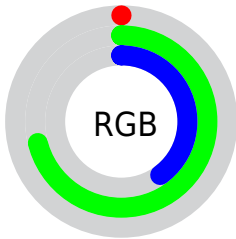
Format	Color
RYB	0, 116, 182
Decimal	46695
CIELab	65.31, -57.21, 29.47
CIELCh	65, 64.352, 152.740
Yxy	34.4352, 0.2660, 0.4777
Android (android.graphics.Color)	4278236775 (0xFF00B667)
YUV	118.5760, -7.6790, -103.9912
Hunter-Lab	58.6815, -44.3619, 22.4177

Details

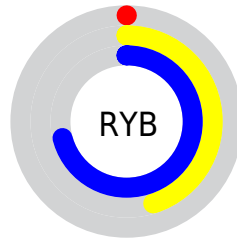
The XYZ color **19.1761, 34.4352, 18.4679** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.7038, 10.5102, 8.3360**, and the grayscale version is **17.4440, 18.3524, 19.9858**.

A 20% lighter version of the original color is **41.5022, 66.5325, 41.6650**, and **8.2552, 15.4451, 6.0361** is the 20% darker color. If you saturate the color by 10%, you get **19.1768, 34.4365, 18.4680**, and if you desaturate by 10%, it is **19.8458, 34.7334, 20.6690**.

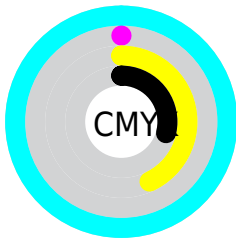
Distribution



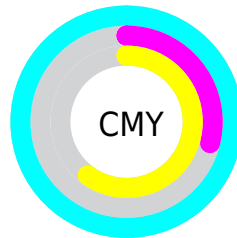
- Red (0%)
- Green (71%)
- Blue (40%)



- Red (0%)
- Yellow (45%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1761, 34.4352, 18.4679 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 19.1761, 34.4352, 18.4679 by changing the saturation by 10% instead.

■ 19.1761, 34.4352,
18.4679

■ 19.1761, 34.4352,
18.4679

■ 240.3387,
322.0683, 255.8194

■ 11.9024, 23.2281,
11.1135

■ 41.5460, 66.6099,
41.6577

■ 6.7489, 14.7620,
6.0281

■ 57.3729, 88.3463,
58.3301

■ 3.3505, 8.6526,
2.7931

■ 76.7816, 114.3612,
78.9457

■ 1.3417, 4.5153,
0.9900

■ 100.1373,
145.0391, 103.9230

■ 0.2141, 1.9658,
0.0000

■ 127.8056,
180.7644, 133.6804

■ 0.0000, 0.5875,
0.0000

■ 160.1517,

■ 0.0000, 0.0000,

221.9214, 168.6366

0.0000

197.5409,
268.8946, 209.2101

■ 19.1761, 34.4352,
18.4679

■ 19.1761, 34.4352,
18.4679

■ 19.1768, 34.4365,
18.4680

■ 19.8458, 34.7334,
20.6690

■ 20.7884, 35.1668,
23.0830

■ 22.0942, 35.7830,
25.7197

■ 23.8070, 36.6043,
28.5862

■ 25.9642, 37.6499,
31.6887

■ 28.5986, 38.9367,
35.0334

■ 31.7398, 40.4798,
38.6260

■ 35.4150, 42.2931,
42.4720

■ 39.6493, 44.3895,
46.5766

Harmonies

Analogous

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



23.9149, 34.4352, 8.6736



19.1761, 34.4352, 18.4679



17.8217, 34.4352, 40.0174

Triad

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



19.1761, 34.4352, 18.4679



33.5992, 34.4352, 116.3349



50.3578, 34.4352, 15.9274

Complementary

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



19.1761, 34.4352, 18.4679



20.7038, 10.5102, 8.3360

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.



54.2437, 34.4352, 35.0792



19.1761, 34.4352, 18.4679



43.4811, 34.4352, 99.8552

Square

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



19.1761, 34.4352, 18.4679



25.1467, 34.4352, 104.6740



51.5154, 34.4352, 66.4656



41.7016, 34.4352, 7.7762

Rectangle

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



19.1761, 34.4352, 18.4679



18.7585, 34.4352, 61.2056



51.5154, 34.4352, 66.4656



52.3327, 34.4352, 20.8664

Sweetspot

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



19.1770, 34.4366, 18.4687



57.2277, 73.2320, 69.6820



20.2001, 35.2468, 5.7388



12.0901, 15.9043, 14.7757



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.



19.1770, 34.4366, 18.4687



34.6452, 62.3823, 32.8454



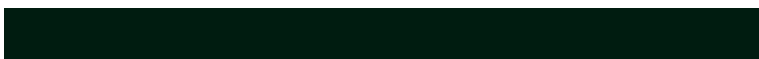
23.3690, 33.2277, 49.4396



9.0975, 10.1430, 10.6707



13.5757, 24.3312, 13.2197



0.5090, 0.8699, 0.6264

Inverse Universe

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



20.7038, 10.5102, 8.3360



37.4204, 19.0085, 14.5134



19.3910, 10.1432, 0.9360



9.1621, 9.0752, 10.2012



14.6522, 7.4346, 6.0553



0.5477, 0.2746, 0.3776

Previews

White Background



This preview shows how the XYZ color 19.1761, 34.4352, 18.4679 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 19.1761, 34.4352, 18.4679 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 19.1761, 34.4352, 18.4679

Background



This preview shows how black text looks on a background with the XYZ color 19.1761, 34.4352, 18.4679.



This preview shows how white text looks on a background with the XYZ color 19.1761, 34.4352,

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

19.1761, 34.4352, 18.4679

Protanopia

31.0906, 33.6927, 15.4544

Deuteranopia

34.3746, 33.8238, 19.4688



Tritanopia

25.9302, 34.2435, 51.6974

Trichromacy



Original Color

19.1761, 34.4352, 18.4679



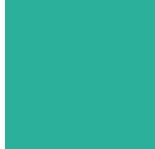
Protanomaly

22.1006, 31.3867, 16.2027



Deuteranomaly

23.1819, 30.8241, 18.6378



Tritanomaly

22.5223, 33.9646, 36.8213

Monochromacy



Original Color

19.1761, 34.4352, 18.4679



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 19.1761, 34.4352, 18.4679 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, 182, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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, 182, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 103) }
```

Border

The CSS property to change the border of an element to XYZ 19.1761, 34.4352, 18.4679 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, 182, 103) }
```


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

```
.border{ border-color:rgb(0, 182, 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, 182, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1761, 34.4352, 18.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 103) }
```

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

```
.background{ background-color: rgb(0, 182,  
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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