

Converting Colors

XYZ(15.6692, 32.7310, 18.6996)

Have a look what the booklet for
XYZ(15.6692, 32.7310, 18.6996)
contains.

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Color

**XYZ(19.2266, 34.4554,
18.7339)**

Conversions

Conversions Part 1

Format	Color
Hex	00B668
RGB	0, 182, 104
RGB Percent	0%, 71%, 41%
CMY	1.0000, 0.2863, 0.5921
CMYK	1.00, 0.00, 0.43, 0.29
HSL	154°, 100%, 36%
HSV	154°, 100%, 71%
XYZ	19.2266, 34.4554, 18.7339
YIQ	118.6900, -83.4340, -62.8420

Conversions

Conversions Part 2

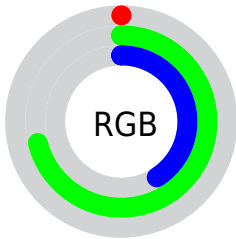
Format	Color
RYB	0, 116, 182
Decimal	46696
CIELab	65.32, -57.02, 28.97
CIELCh	65, 63.956, 153.062
Yxy	34.4554, 0.2655, 0.4758
Android (android.graphics.Color)	4278236776 (0xFF00B668)
YUV	118.6900, -7.2422, -104.0911
Hunter-Lab	58.6987, -44.2556, 22.1665

Details

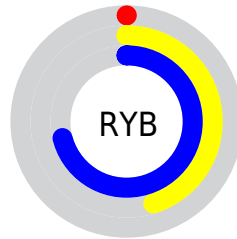
The XYZ color **19.2266, 34.4554, 18.7339** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.6676, 10.4957, 8.1455**, and the grayscale version is **17.4786, 18.3889, 20.0255**.

A 20% lighter version of the original color is **41.5866, 66.5662, 42.1092**, and **8.2790, 15.4546, 6.1611** is the 20% darker color. If you saturate the color by 10%, you get **19.2273, 34.4567, 18.7341**, and if you desaturate by 10%, it is **19.8956, 34.7533, 20.9311**.

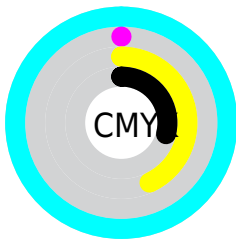
Distribution



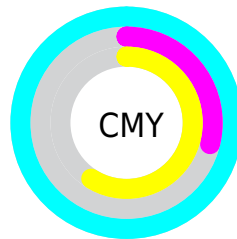
- Red (0%)
- Green (71%)
- Blue (41%)



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



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




- Cyan (100%)
- Magenta (29%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2266, 34.4554, 18.7339 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 19.2266, 34.4554, 18.7339 by changing the saturation by 10% instead.


 19.2266, 34.4554,
18.7339


 19.2266, 34.4554,
18.7339

240.6110,
322.1579, 257.3494


 11.9391, 23.2437,
11.3033


 41.6306, 66.6412,
42.1147


 6.7741, 14.7735,
6.1545


 57.4778, 88.3841,
58.9019

 3.3663, 8.6606,
2.8689


 76.9089, 114.4062,
79.6451

 1.3503, 4.5205,
1.0281

 100.2893,
145.0918, 104.7628

 0.2204, 1.9688,
0.0000

 127.9844,
180.8254, 134.6735

 0.0000, 0.5892,
0.0000

 160.3594,

 0.0000, 0.0000,

221.9914, 169.7958

0.0000

197.7799,
268.9741, 210.5483

■ 19.2266, 34.4554,
18.7339

■ 19.2266, 34.4554,
18.7339

■ 19.2273, 34.4567,
18.7341

■ 19.8956, 34.7533,
20.9311

■ 20.8365, 35.1861,
23.3366

■ 22.1398, 35.8012,
25.9601

■ 23.8491, 36.6212,
28.8085

■ 26.0019, 37.6650,
31.8877

■ 28.6308, 38.9496,
35.2038

■ 31.7656, 40.4901,
38.7624

■ 35.4332, 42.3004,
42.5686

■ 39.6589, 44.3933,
46.6279

Harmonies

Analogous

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



23.9106, 34.4554, 8.8429



19.2266, 34.4554, 18.7339



17.9120, 34.4554, 40.3261

Triad

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



19.2266, 34.4554, 18.7339



33.7158, 34.4554, 115.6759



50.1862, 34.4554, 15.9002

Complementary

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



19.2266, 34.4554, 18.7339



20.6676, 10.4957, 8.1455

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.



54.1082, 34.4554, 34.8397



19.2266, 34.4554, 18.7339



43.5339, 34.4554, 99.0843

Square

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



19.2266, 34.4554, 18.7339



25.2809, 34.4554, 104.4176



51.4699, 34.4554, 65.9099



41.5592, 34.4554, 7.8371

Rectangle

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



19.2266, 34.4554, 18.7339



18.8696, 34.4554, 61.4342



51.4699, 34.4554, 65.9099



52.1655, 34.4554, 20.7849

Sweetspot

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



19.2275, 34.4568, 18.7347



57.2753, 73.2511, 69.9330



19.9424, 35.1140, 5.7268



12.1017, 15.9090, 14.8371



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.



19.2275, 34.4568, 18.7347



34.7369, 62.4190, 33.3283



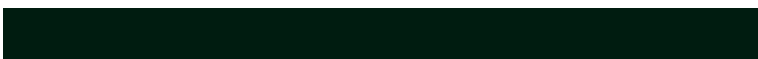
22.7943, 32.0783, 49.2481



9.0996, 10.1438, 10.6817



13.6114, 24.3455, 13.4074



0.5102, 0.8704, 0.6324

Inverse Universe

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



20.6676, 10.4957, 8.1455



37.3555, 18.9825, 14.1717



19.4254, 10.2118, 0.9474



9.1601, 9.0744, 10.1904



14.6265, 7.4244, 5.9199



0.5468, 0.2742, 0.3726

Previews

White Background



This preview shows how the XYZ color 19.2266, 34.4554, 18.7339 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 19.2266, 34.4554, 18.7339 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 19.2266, 34.4554, 18.7339

Background



This preview shows how black text looks on a background with the XYZ color 19.2266, 34.4554, 18.7339.



This preview shows how white text looks on a background with the XYZ color 19.2266, 34.4554,

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

19.2266, 34.4554, 18.7339

Protanopia

31.1358, 33.7108, 15.6923

Deuteranopia

34.4294, 33.8457, 19.7572



Tritanopia

25.9302, 34.2435, 51.6974

Trichromacy



Original Color

19.2266, 34.4554, 18.7339



Protanomaly

22.1475, 31.4055, 16.4498



Deuteranomaly

23.2349, 30.8453, 18.9165



Tritanomaly

22.5223, 33.9646, 36.8213

Monochromacy



Original Color

19.2266, 34.4554, 18.7339



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.6908, 22.0974, 19.3578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2266, 34.4554, 18.7339 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.2266, 34.4554, 18.7339 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, 104) }
```


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

```
.border{ border-color:rgb(0, 182, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2266, 34.4554, 18.7339 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, 104) }
```

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

```
.background{ background-color: rgb(0, 182,  
104) }
```

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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