

Converting Colors

XYZ(18.4501, 33.8345, 15.5994)

Have a look what the booklet for
XYZ(18.4501, 33.8345, 15.5994)
contains.

XYZ(18.4556, 33.8205, 15.6805)	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(18.4556, 33.8205,
15.6805)**

Conversions

Conversions Part 1

Format	Color
Hex	00B55C
RGB	0, 181, 92
RGB Percent	0%, 71%, 36%
CMY	1.0000, 0.2902, 0.6392
CMYK	1.00, 0.00, 0.49, 0.29
HSL	150°, 100%, 35%
HSV	150°, 100%, 71%
XYZ	18.4556, 33.8205, 15.6805
YIQ	116.7350, -79.3070, -66.0510

Conversions

Conversions Part 2

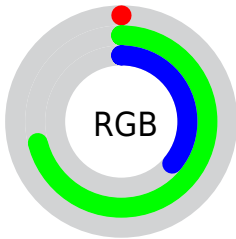
Format	Color
RYB	0, 120, 181
Decimal	46428
CIELab	64.82, -58.83, 34.51
CIELCh	65, 68.203, 149.601
Yxy	33.8205, 0.2716, 0.4977
Android (android.graphics.Color)	4278236508 (0xFF00B55C)
YUV	116.7350, -12.1944, -102.3766
Hunter-Lab	58.1554, -45.1250, 24.7224

Details

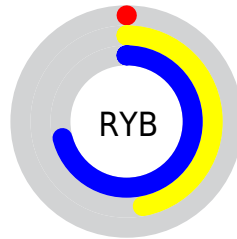
The XYZ color **18.4556, 33.8205, 15.6805** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.8601, 10.5455, 10.3878**, and the grayscale version is **16.8813, 17.7604, 19.3411**.

A 20% lighter version of the original color is **40.3279, 65.5956, 36.9213**, and **7.8969, 15.0961, 4.7831** is the 20% darker color. If you saturate the color by 10%, you get **18.4564, 33.8218, 15.6811**, and if you desaturate by 10%, it is **19.1201, 34.1164, 17.8643**.

Distribution



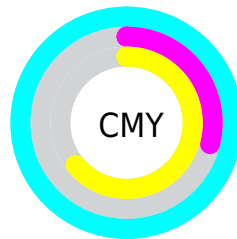
- Red (0%)
- Green (71%)
- Blue (36%)



- Red (0%)
- Yellow (47%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4556, 33.8205, 15.6805 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 18.4556, 33.8205, 15.6805 by changing the saturation by 10% instead.


 18.4556, 33.8205,
15.6805


 18.4556, 33.8205,
15.6805


236.4229,
319.3309, 239.2300


 11.3792, 22.7557,
9.1465


 40.3362, 65.6544,
36.8017


 6.3917, 14.4132,
4.7387


 55.8711, 87.1924,
52.2259


 3.1276, 8.4086,
2.0387


 74.9562, 112.9902,
71.4506

 1.2216, 4.3575,
0.5789

 97.9570, 143.4323,
94.8943

 0.1233, 1.8755,
0.0000

 125.2386,
178.9030, 122.9755

 0.0000, 0.5336,
0.0000

 157.1666,

 0.0000, 0.0000,

219.7867, 156.1129

0.0000

194.1062,
266.4679, 194.7248

■ 18.4556, 33.8205,
15.6805

■ 18.4556, 33.8205,
15.6805

■ 18.4564, 33.8218,
15.6811

■ 19.1201, 34.1164,
17.8643

■ 20.0629, 34.5493,
20.3069

■ 21.3741, 35.1666,
23.0206

■ 23.0974, 35.9904,
26.0149

■ 25.2699, 37.0400,
29.2981

■ 27.9246, 38.3320,
32.8785

■ 31.0910, 39.8817,
36.7639

■ 34.7963, 41.7027,
40.9616

■ 39.0657, 43.8081,
45.4789

Harmonies

Analogous

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



23.6919, 33.8205, 6.9797



18.4556, 33.8205, 15.6805



16.7203, 33.8205, 36.4498

Triad

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



18.4556, 33.8205, 15.6805



32.0142, 33.8205, 121.6789



51.5149, 33.8205, 16.0523

Complementary

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



18.4556, 33.8205, 15.6805



20.8601, 10.5455, 10.3878

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.



54.9631, 33.8205, 37.2023



18.4556, 33.8205, 15.6805



42.4027, 33.8205, 106.6870

Square

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



18.4556, 33.8205, 15.6805



23.5068, 33.8205, 105.9242



51.3352, 33.8205, 71.5225



42.6770, 33.8205, 7.1046

Rectangle

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



18.4556, 33.8205, 15.6805



17.4377, 33.8205, 58.1063



51.3352, 33.8205, 71.5225



53.4140, 33.8205, 21.5004

Sweetspot

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



18.4564, 33.8219, 15.6813



55.3738, 71.2736, 65.4781



20.7901, 35.2481, 5.7079



11.4397, 15.1458, 13.5166



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.4564, 33.8219, 15.6813



32.9384, 60.5256, 27.4763



24.8654, 36.3855, 49.4304



8.5632, 9.5598, 9.9594



12.7581, 23.3292, 10.9947



0.4308, 0.7458, 0.5007

Inverse Universe

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



20.8601, 10.5455, 10.3878



37.2441, 18.8402, 18.0008



19.0569, 9.8242, 0.8919



8.6647, 8.5726, 9.7328



14.4148, 7.2835, 7.3445



0.4830, 0.2410, 0.3864

Previews

White Background



This preview shows how the XYZ color 18.4556, 33.8205, 15.6805 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 18.4556, 33.8205, 15.6805 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 18.4556, 33.8205, 15.6805

Background



This preview shows how black text looks on a background with the XYZ color 18.4556, 33.8205, 15.6805.



This preview shows how white text looks on a background with the XYZ color 18.4556, 33.8205,

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

18.4556, 33.8205, 15.6805

Protanopia

30.4631, 33.1721, 12.9809

Deuteranopia

33.7867, 33.1064, 16.6660



Tritanopia

25.7741, 33.8938, 51.0827

Trichromacy



Original Color

18.4556, 33.8205, 15.6805



Protanomaly

21.4415, 30.8334, 13.6254



Deuteranomaly

22.6483, 30.3459, 15.9729



Tritanomaly

21.9546, 33.4298, 34.5736

Monochromacy



Original Color

18.4556, 33.8205, 15.6805



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.9089, 21.2947, 17.5119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4556, 33.8205, 15.6805 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, 181, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 92)  
}
```

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, 181, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.4556, 33.8205, 15.6805 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, 181, 92) }
```


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

```
.border{ border-color:rgb(0, 181, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4556, 33.8205, 15.6805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 92) }
```

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

```
.background{ background-color: rgb(0, 181,  
92) }
```

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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