

Converting Colors

XYZ(18.4123, 33.8194, 15.4021)

Have a look what the booklet for
XYZ(18.4123, 33.8194, 15.4021)
contains.

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Color

**XYZ(18.4122, 33.8031,
15.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	00B55B
RGB	0, 181, 91
RGB Percent	0%, 71%, 36%
CMY	1.0000, 0.2902, 0.6431
CMYK	1.00, 0.00, 0.50, 0.29
HSL	150°, 100%, 35%
HSV	150°, 100%, 71%
XYZ	18.4122, 33.8031, 15.4518
YIQ	116.6210, -78.9860, -66.3620

Conversions

Conversions Part 2

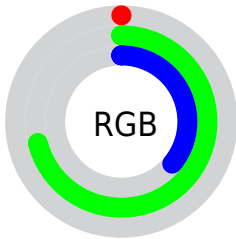
Format	Color
RYB	0, 120, 181
Decimal	46427
CIELab	64.81, -58.99, 35.00
CIELCh	65, 68.596, 149.320
Yxy	33.8031, 0.2721, 0.4996
Android (android.graphics.Color)	4278236507 (0xFF00B55B)
YUV	116.6210, -12.6312, -102.2766
Hunter-Lab	58.1404, -45.2175, 24.9410

Details

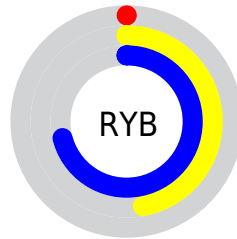
The XYZ color **18.4122, 33.8031, 15.4518** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.9026, 10.5626, 10.6114**, and the grayscale version is **16.8477, 17.7250, 19.3026**.

A 20% lighter version of the original color is **40.2518, 65.5651, 36.5205**, and **7.8788, 15.0889, 4.6877** is the 20% darker color. If you saturate the color by 10%, you get **18.4128, 33.8044, 15.4519**, and if you desaturate by 10%, it is **19.0764, 34.0988, 17.6337**.

Distribution



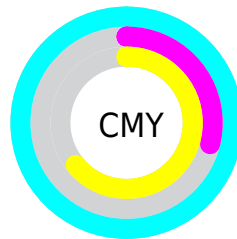
- Red (0%)
- Green (71%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (29%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4122, 33.8031, 15.4518 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 18.4122, 33.8031, 15.4518 by changing the saturation by 10% instead.


 18.4122, 33.8031,
15.4518


 18.4122, 33.8031,
15.4518


236.1852,
319.2532, 237.8190


 11.3478, 22.7424,
8.9869


 40.2631, 65.6274,
36.3973


 6.3703, 14.4034,
4.6360


 55.7802, 87.1597,
51.7150


 3.1143, 8.4018,
1.9803


 74.8457, 112.9513,
70.8208

 1.2145, 4.3531,
0.5431

 97.8249, 143.3867,
94.1331

 0.1178, 1.8730,
0.0000

 125.0830,
178.8502, 122.0706

 0.0000, 0.5321,
0.0000

 156.9856,

 0.0000, 0.0000,

219.7261, 155.0517

0.0000

193.8978,
266.3990, 193.4950

■ 18.4122, 33.8031,
15.4518

■ 18.4122, 33.8031,
15.4518

■ 18.4128, 33.8044,
15.4519

■ 19.0764, 34.0988,
17.6337

■ 20.0198, 34.5320,
20.0791

■ 21.3326, 35.1499,
22.8010

■ 23.0585, 35.9749,
25.8086

■ 25.2348, 37.0260,
29.1109

■ 27.8943, 38.3199,
32.7163

■ 31.0667, 39.8720,
36.6328

■ 34.7792, 41.6960,
40.8680

■ 39.0571, 43.8048,
45.4293

Harmonies

Analogous

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



23.7009, 33.8031, 6.8419



18.4122, 33.8031, 15.4518



16.6401, 33.8031, 36.1647

Triad

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



18.4122, 33.8031, 15.4518



31.9042, 33.8031, 122.3223



51.6844, 33.8031, 16.0866

Complementary

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



18.4122, 33.8031, 15.4518



20.9026, 10.5626, 10.6114

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.



55.0935, 33.8031, 37.4545



18.4122, 33.8031, 15.4518



42.3498, 33.8031, 107.4665

Square

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



18.4122, 33.8031, 15.4518



23.3838, 33.8031, 106.1544



51.3759, 33.8031, 72.0971



42.8204, 33.8031, 7.0541

Rectangle

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



18.4122, 33.8031, 15.4518



17.3382, 33.8031, 57.8814



51.3759, 33.8031, 72.0971



53.5780, 33.8031, 21.5901

Sweetspot

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



18.4130, 33.8045, 15.4526



55.3283, 71.2554, 65.2386



20.7903, 35.2481, 5.7080



11.4289, 15.1415, 13.4597



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.



18.4130, 33.8045, 15.4526



32.8607, 60.4946, 27.0673



24.8654, 36.3854, 49.4303



8.5612, 9.5590, 9.9491



12.7280, 23.3172, 10.8364



0.4299, 0.7454, 0.4959

Inverse Universe

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



20.9026, 10.5626, 10.6114



37.3196, 18.8704, 18.3987



19.0569, 9.8243, 0.8920



8.6667, 8.5734, 9.7431



14.4441, 7.2952, 7.4987



0.4839, 0.2413, 0.3911

Previews

White Background



This preview shows how the XYZ color 18.4122, 33.8031, 15.4518 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 18.4122, 33.8031, 15.4518 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 18.4122, 33.8031, 15.4518

Background



This preview shows how black text looks on a background with the XYZ color 18.4122, 33.8031, 15.4518.



This preview shows how white text looks on a background with the XYZ color 18.4122, 33.8031,

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

18.4122, 33.8031, 15.4518

Protanopia

30.4247, 33.1568, 12.7790

Deuteranopia

33.7386, 33.0871, 16.4126



Tritanopia

25.7741, 33.8938, 51.0827

Trichromacy



Original Color

18.4122, 33.8031, 15.4518



Protanomaly

21.4015, 30.8174, 13.4147



Deuteranomaly

22.6019, 30.3273, 15.7288



Tritanomaly

21.9546, 33.4298, 34.5736

Monochromacy



Original Color

18.4122, 33.8031, 15.4518



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 18.4122, 33.8031, 15.4518 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 91) }
```

Border

The CSS property to change the border of an element to XYZ 18.4122, 33.8031, 15.4518 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, 91) }
```


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

```
.border{ border-color:rgb(0, 181, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4122, 33.8031, 15.4518 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, 91) }
```

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

```
.background{ background-color: rgb(0, 181,  
91) }
```

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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