

Converting Colors

XYZ(17.9626, 32.8175, 15.5670)

Have a look what the booklet for
XYZ(17.9626, 32.8175, 15.5670)
contains.

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Color

**XYZ(18.0519, 33.0129,
15.5459)**

Conversions

Conversions Part 1

Format	Color
Hex	00B35C
RGB	0, 179, 92
RGB Percent	0%, 70%, 36%
CMY	1.0000, 0.2980, 0.6392
CMYK	1.00, 0.00, 0.49, 0.30
HSL	151°, 100%, 35%
HSV	151°, 100%, 70%
XYZ	18.0519, 33.0129, 15.5459
YIQ	115.5610, -78.7570, -65.0050

Conversions

Conversions Part 2

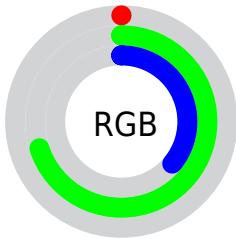
Format	Color
RYB	0, 118, 179
Decimal	45916
CIELab	64.17, -58.16, 33.69
CIELCh	64, 67.214, 149.914
Yxy	33.0129, 0.2710, 0.4956
Android (android.graphics.Color)	4278235996 (0xFF00B35C)
YUV	115.5610, -11.6156, -101.3470
Hunter-Lab	57.4569, -44.4680, 24.1779

Details

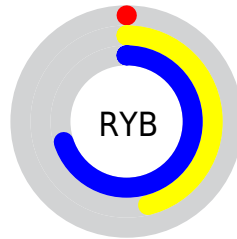
The XYZ color **18.0519, 33.0129, 15.5459** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.3121, 10.2727, 9.9318**, and the grayscale version is **16.5194, 17.3797, 18.9265**.

A 20% lighter version of the original color is **39.6456, 64.3842, 36.7234**, and **7.7697, 14.8416, 4.7407** is the 20% darker color. If you saturate the color by 10%, you get **18.0523, 33.0141, 15.5453**, and if you desaturate by 10%, it is **18.7030, 33.3029, 17.6781**.

Distribution



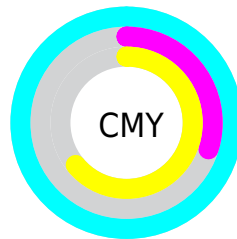
- Red (0%)
- Green (70%)
- Blue (36%)



- Red (0%)
- Yellow (46%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0519, 33.0129, 15.5459 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 18.0519, 33.0129, 15.5459 by changing the saturation by 10% instead.


 18.0519, 33.0129,
15.5459


 18.0519, 33.0129,
15.5459


234.2033,
315.7079, 238.4006


 11.0872, 22.1363,
9.0525


 39.6551, 64.3957,
36.5638


 6.1932, 13.9571,
4.6782


 55.0243, 85.6707,
51.9254


 3.0047, 8.0908,
2.0043


 73.9258, 111.1806,
71.0802

 1.1562, 4.1531,
0.5579

 96.7247, 141.3098,
94.4467

 0.0714, 1.7596,
0.0000

 123.7866,
176.4428, 122.4434

 0.0000, 0.4618,
0.0000

 155.4768,

 0.0000, 0.0000,

216.9638, 155.4890

0.0000

192.1606,
263.2574, 194.0018

■ 18.0519, 33.0129,
15.5459

■ 18.0519, 33.0129,
15.5459

■ 18.0523, 33.0141,
15.5453

■ 18.7030, 33.3029,
17.6781

■ 19.6238, 33.7260,
20.0577

■ 20.9029, 34.3283,
22.6964

■ 22.5825, 35.1315,
25.6029

■ 24.6989, 36.1543,
28.7855

■ 27.2838, 37.4129,
32.2517

■ 30.3662, 38.9219,
36.0089

■ 33.9723, 40.6949,
40.0642

■ 38.1267, 42.7444,
44.4243

Harmonies

Analogous

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



23.1040, 33.0129, 6.9598



18.0519, 33.0129, 15.5459



16.3988, 33.0129, 35.8666

Triad

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



18.0519, 33.0129, 15.5459



31.3502, 33.0129, 118.0128



50.0738, 33.0129, 15.6242

Complementary

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



18.0519, 33.0129, 15.5459



20.3121, 10.2727, 9.9318

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.



53.4793, 33.0129, 36.0244



18.0519, 33.0129, 15.5459



41.4229, 33.0129, 103.2443

Square

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



18.0519, 33.0129, 15.5459



23.0651, 33.0129, 103.0851



50.0362, 33.0129, 69.1604



41.4803, 33.0129, 6.9863

Rectangle

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



18.0519, 33.0129, 15.5459



17.1194, 33.0129, 56.9271



50.0362, 33.0129, 69.1604



51.9324, 33.0129, 20.8799

Sweetspot

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



18.0527, 33.0142, 15.5467



54.0771, 69.5554, 64.1302



20.2895, 34.3905, 5.5690



11.4508, 15.1502, 13.5750



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.



18.0527, 33.0142, 15.5467



32.2161, 59.0795, 27.2400



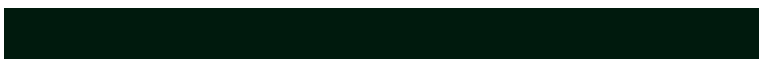
24.2578, 35.4963, 48.2224



8.5652, 9.5606, 9.9699



12.7892, 23.3416, 11.1585



0.4317, 0.7462, 0.5056

Inverse Universe

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



20.3121, 10.2727, 9.9318



36.2638, 18.3517, 17.1920



18.5913, 9.5844, 0.8704



8.6627, 8.5718, 9.7223



14.3853, 7.2717, 7.1891



0.4821, 0.2406, 0.3816

Previews

White Background



This preview shows how the XYZ color 18.0519, 33.0129, 15.5459 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 18.0519, 33.0129, 15.5459 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 18.0519, 33.0129, 15.5459

Background



This preview shows how black text looks on a background with the XYZ color 18.0519, 33.0129, 15.5459.



This preview shows how white text looks on a background with the XYZ color 18.0519, 33.0129,

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

18.0519, 33.0129, 15.5459

Protanopia

29.8602, 32.6133, 12.9048

Deuteranopia

33.1399, 32.5390, 16.5906



Tritanopia

25.1191, 33.0238, 49.8501

Trichromacy



Original Color

18.0519, 33.0129, 15.5459



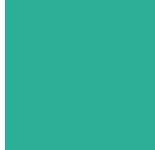
Protanomaly

21.1395, 30.4109, 13.5598



Deuteranomaly

22.0270, 29.5109, 15.8445



Tritanomaly

21.4449, 32.6027, 34.0169

Monochromacy



Original Color

18.0519, 33.0129, 15.5459



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.7105, 20.9826, 17.1846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0519, 33.0129, 15.5459 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, 179, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 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, 179, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 92) }
```

Border

The CSS property to change the border of an element to XYZ 18.0519, 33.0129, 15.5459 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, 179, 92) }
```


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

```
.border{ border-color:rgb(0, 179, 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, 179, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0519, 33.0129, 15.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 92) }
```

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

```
.background{ background-color: rgb(0, 179,  
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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