

Converting Colors

XYZ(16.8065, 32.4770, 15.3306)

Have a look what the booklet for
XYZ(16.8065, 32.4770, 15.3306)
contains.

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Color

**XYZ(18.0084, 32.9955,
15.3172)**

Conversions

Conversions Part 1

Format	Color
Hex	00B35B
RGB	0, 179, 91
RGB Percent	0%, 70%, 36%
CMY	1.0000, 0.2980, 0.6431
CMYK	1.00, 0.00, 0.49, 0.30
HSL	151°, 100%, 35%
HSV	151°, 100%, 70%
XYZ	18.0084, 32.9955, 15.3172
YIQ	115.4470, -78.4360, -65.3160

Conversions

Conversions Part 2

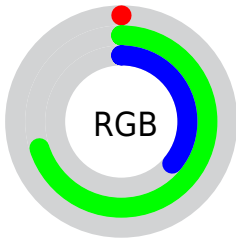
Format	Color
RYB	0, 119, 179
Decimal	45915
CIELab	64.16, -58.33, 34.19
CIELCh	64, 67.609, 149.626
Yxy	32.9955, 0.2715, 0.4975
Android (android.graphics.Color)	4278235995 (0xFF00B35B)
YUV	115.4470, -12.0524, -101.2470
Hunter-Lab	57.4417, -44.5619, 24.3991

Details

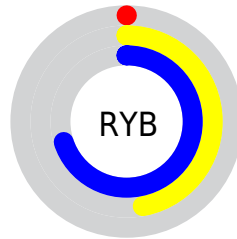
The XYZ color **18.0084, 32.9955, 15.3172** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.3529, 10.2889, 10.1472**, and the grayscale version is **16.4852, 17.3437, 18.8873**.

A 20% lighter version of the original color is **39.5695, 64.3538, 36.3226**, and **7.7515, 14.8344, 4.6453** is the 20% darker color. If you saturate the color by 10%, you get **18.0090, 32.9967, 15.3173**, and if you desaturate by 10%, it is **18.6591, 33.2854, 17.4479**.

Distribution



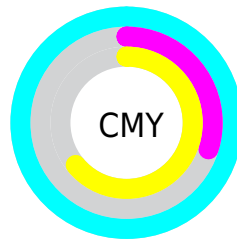
- Red (0%)
- Green (70%)
- Blue (36%)



- Red (0%)
- Yellow (47%)
- 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 18.0084, 32.9955, 15.3172 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 18.0084, 32.9955, 15.3172 by changing the saturation by 10% instead.


 18.0084, 32.9955,
15.3172


 18.0084, 32.9955,
15.3172


233.9631,
315.6295, 236.9847


 11.0557, 22.1230,
8.8932

 39.5816, 64.3685,
36.1588


 6.1719, 13.9473,
4.5757


 54.9329, 85.6378,
51.4136


 2.9915, 8.0840,
1.9462


 73.8144, 111.1415,
70.4489

 1.1493, 4.1488,
0.5219

 96.5915, 141.2639,
93.6835

 0.0658, 1.7571,
0.0000

 123.6296,
176.3896, 121.5359

 0.0000, 0.4602,
0.0000

 155.2939,

 0.0000, 0.0000,

216.9028, 154.4245

0.0000

191.9500,
263.1879, 192.7679

■ 18.0084, 32.9955,
15.3172

■ 18.0084, 32.9955,
15.3172

■ 18.0090, 32.9967,
15.3173

■ 18.6591, 33.2854,
17.4479

■ 19.5805, 33.7086,
19.8307

■ 20.8610, 34.3115,
22.4776

■ 22.5431, 35.1157,
25.3976

■ 24.6629, 36.1399,
28.5991

■ 27.2524, 37.4002,
32.0899

■ 30.3404, 38.9115,
35.8778

■ 33.9534, 40.6872,
39.9698

■ 38.1158, 42.7399,
44.3730

Harmonies

Analogous

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



23.1123, 32.9955, 6.8212



18.0084, 32.9955, 15.3172



16.3187, 32.9955, 35.5837

Triad

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



18.0084, 32.9955, 15.3172



31.2413, 32.9955, 118.6492



50.2412, 32.9955, 15.6571

Complementary

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



18.0084, 32.9955, 15.3172



20.3529, 10.2889, 10.1472

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.



53.6085, 32.9955, 36.2715



18.0084, 32.9955, 15.3172



41.3709, 32.9955, 104.0123

Square

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



18.0084, 32.9955, 15.3172



22.9430, 32.9955, 103.3152



50.0770, 32.9955, 69.7250



41.6216, 32.9955, 6.9354

Rectangle

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



18.0084, 32.9955, 15.3172



17.0202, 32.9955, 56.7055



50.0770, 32.9955, 69.7250



52.0944, 32.9955, 20.9674

Sweetspot

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



18.0092, 32.9968, 15.3180



54.0324, 69.5375, 63.8947



20.2892, 34.3903, 5.5688



11.4398, 15.1459, 13.5175



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.



18.0092, 32.9968, 15.3180



32.1387, 59.0486, 26.8329



24.2578, 35.4963, 48.2224



8.5632, 9.5598, 9.9595



12.7585, 23.3294, 10.9971



0.4308, 0.7458, 0.5008

Inverse Universe

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



20.3529, 10.2889, 10.1472



36.3369, 18.3810, 17.5771



18.5912, 9.5842, 0.8702



8.6647, 8.5726, 9.7326



14.4144, 7.2833, 7.3422



0.4830, 0.2410, 0.3863

Previews

White Background



This preview shows how the XYZ color 18.0084, 32.9955, 15.3172 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 18.0084, 32.9955, 15.3172 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 18.0084, 32.9955, 15.3172

Background



This preview shows how black text looks on a background with the XYZ color 18.0084, 32.9955, 15.3172.



This preview shows how white text looks on a background with the XYZ color 18.0084, 32.9955,

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

18.0084, 32.9955, 15.3172

Protanopia

29.8219, 32.5979, 12.7029

Deuteranopia

33.0917, 32.5198, 16.3372



Tritanopia

25.1191, 33.0238, 49.8501

Trichromacy



Original Color

18.0084, 32.9955, 15.3172



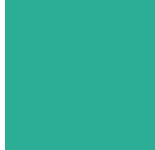
Protanomaly

21.0995, 30.3949, 13.3491



Deuteranomaly

21.9807, 29.4924, 15.6004



Tritanomaly

21.4449, 32.6027, 34.0169

Monochromacy



Original Color

18.0084, 32.9955, 15.3172



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.4377, 20.6340, 16.8575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0084, 32.9955, 15.3172 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 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, 179, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 91) }
```

Border

The CSS property to change the border of an element to XYZ 18.0084, 32.9955, 15.3172 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, 91) }
```


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

```
.border{ border-color:rgb(0, 179, 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, 179, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0084, 32.9955, 15.3172 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, 91) }
```

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

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