

Converting Colors

XYZ(18.0178, 32.8392, 15.8597)

Have a look what the booklet for
XYZ(18.0178, 32.8392, 15.8597)
contains.

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Color

**XYZ(18.0959, 33.0305,
15.7777)**

Conversions

Conversions Part 1

Format	Color
Hex	00B35D
RGB	0, 179, 93
RGB Percent	0%, 70%, 36%
CMY	1.0000, 0.2980, 0.6353
CMYK	1.00, 0.00, 0.48, 0.30
HSL	151°, 100%, 35%
HSV	151°, 100%, 70%
XYZ	18.0959, 33.0305, 15.7777
YIQ	115.6750, -79.0780, -64.6940

Conversions

Conversions Part 2

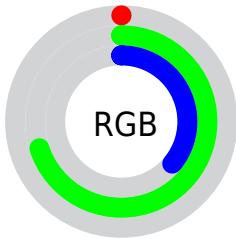
Format	Color
RYB	0, 118, 179
Decimal	45917
CIELab	64.19, -57.99, 33.20
CIELCh	64, 66.819, 150.205
Yxy	33.0305, 0.2705, 0.4937
Android (android.graphics.Color)	4278235997 (0xFF00B35D)
YUV	115.6750, -11.1788, -101.4470
Hunter-Lab	57.4722, -44.3731, 23.9538

Details

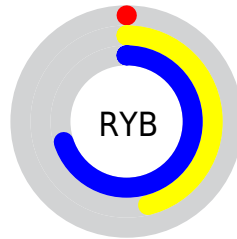
The XYZ color **18.0959, 33.0305, 15.7777** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.2714, 10.2564, 9.7178**, and the grayscale version is **16.5529, 17.4149, 18.9648**.

A 20% lighter version of the original color is **39.7224, 64.4149, 37.1278**, and **7.7882, 14.8491, 4.8385** is the 20% darker color. If you saturate the color by 10%, you get **18.0964, 33.0317, 15.7772**, and if you desaturate by 10%, it is **18.7471, 33.3206, 17.9108**.

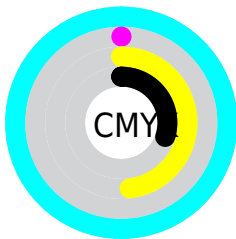
Distribution



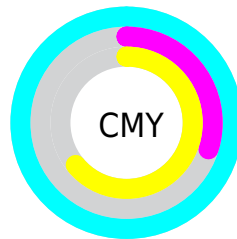
- Red (0%)
- Green (70%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (30%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0959, 33.0305, 15.7777 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 18.0959, 33.0305, 15.7777 by changing the saturation by 10% instead.


 18.0959, 33.0305,
15.7777


 18.0959, 33.0305,
15.7777


234.4462,
315.7871, 239.8271


 11.1190, 22.1498,
9.2143


 39.7295, 64.4231,
36.9733


 6.2148, 13.9670,
4.7825


 55.1168, 85.7039,
52.4425

 3.0180, 8.0977,
2.0637


 74.0383, 111.2201,
71.7175

 1.1633, 4.1575,
0.5941

 96.8594, 141.3562,
95.2168

 0.0771, 1.7621,
0.0000

 123.9454,
176.4966, 123.3588

 0.0000, 0.4634,
0.0000

 155.6616,

 0.0000, 0.0000,

217.0256, 156.5622

0.0000

192.3734,
263.3276, 195.2455

■ 18.0959, 33.0305,
15.7777

■ 18.0959, 33.0305,
15.7777

■ 18.0964, 33.0317,
15.7772

■ 18.7471, 33.3206,
17.9108

■ 19.6673, 33.7433,
20.2866

■ 20.9446, 34.3449,
22.9165

■ 22.6216, 35.1471,
25.8090

■ 24.7342, 36.1684,
28.9721

■ 27.3143, 37.4250,
32.4131

■ 30.3907, 38.9317,
36.1393

■ 33.9898, 40.7019,
40.1573

■ 38.1359, 42.7480,
44.4739

Harmonies

Analogous

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



23.0960, 33.0305, 7.1010



18.0959, 33.0305, 15.7777



16.4796, 33.0305, 36.1518

Triad

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



18.0959, 33.0305, 15.7777



31.4598, 33.0305, 117.3754



49.9063, 33.0305, 15.5916

Complementary

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



18.0959, 33.0305, 15.7777



20.2714, 10.2564, 9.7178

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.



53.3497, 33.0305, 35.7781



18.0959, 33.0305, 15.7777



41.4750, 33.0305, 102.4772

Square

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



18.0959, 33.0305, 15.7777



23.1882, 33.0305, 102.8532



49.9952, 33.0305, 68.5973



41.3391, 33.0305, 7.0378

Rectangle

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



18.0959, 33.0305, 15.7777



17.2195, 33.0305, 57.1493



49.9952, 33.0305, 68.5973



51.7700, 33.0305, 20.7930

Sweetspot

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



18.0967, 33.0318, 15.7785



54.1221, 69.5735, 64.3673



20.0069, 34.2448, 5.5557



11.4618, 15.1546, 13.6329



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.



18.0967, 33.0318, 15.7785



32.2947, 59.1110, 27.6544



23.6663, 34.3133, 48.0252



8.5672, 9.5614, 9.9804



12.8203, 23.3541, 11.3227



0.4327, 0.7465, 0.5105

Inverse Universe

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



20.2714, 10.2564, 9.7178



36.1914, 18.3228, 16.8109



18.6237, 9.6491, 0.8812



8.6607, 8.5710, 9.7119



14.3565, 7.2602, 7.0374



0.4813, 0.2403, 0.3770

Previews

White Background



This preview shows how the XYZ color 18.0959, 33.0305, 15.7777 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 18.0959, 33.0305, 15.7777 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 18.0959, 33.0305, 15.7777

Background



This preview shows how black text looks on a background with the XYZ color 18.0959, 33.0305, 15.7777.



This preview shows how white text looks on a background with the XYZ color 18.0959, 33.0305,

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

18.0959, 33.0305, 15.7777

Protanopia

29.8991, 32.6288, 13.1096

Deuteranopia

33.1886, 32.5585, 16.8471



Tritanopia

25.1191, 33.0238, 49.8501

Trichromacy



Original Color

18.0959, 33.0305, 15.7777



Protanomaly

21.1801, 30.4272, 13.7736



Deuteranomaly

22.0740, 29.5297, 16.0916



Tritanomaly

21.4449, 32.6027, 34.0169

Monochromacy



Original Color

18.0959, 33.0305, 15.7777



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.7634, 21.0038, 17.4634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0959, 33.0305, 15.7777 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 93) }
```

Border

The CSS property to change the border of an element to XYZ 18.0959, 33.0305, 15.7777 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, 93) }
```


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

```
.border{ border-color:rgb(0, 179, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0959, 33.0305, 15.7777 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, 93) }
```

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

```
.background{ background-color: rgb(0, 179,  
93) }
```

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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