

Converting Colors

XYZ(18.2991, 32.9517, 17.3397)

Have a look what the booklet for
XYZ(18.2991, 32.9517, 17.3397)
contains.

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Color

**XYZ(18.4203, 33.1603,
17.4863)**

Conversions

Conversions Part 1

Format	Color
Hex	00B364
RGB	0, 179, 100
RGB Percent	0%, 70%, 39%
CMY	1.0000, 0.2980, 0.6078
CMYK	1.00, 0.00, 0.44, 0.30
HSL	154°, 100%, 35%
HSV	154°, 100%, 70%
XYZ	18.4203, 33.1603, 17.4863
YIQ	116.4730, -81.3250, -62.5170

Conversions

Conversions Part 2

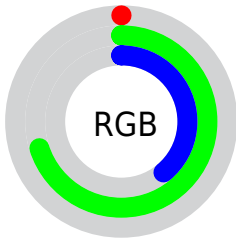
Format	Color
RYB	0, 115, 179
Decimal	45924
CIELab	64.29, -56.73, 29.72
CIELCh	64, 64.044, 152.350
Yxy	33.1603, 0.2667, 0.4801
Android (android.graphics.Color)	4278236004 (0xFF00B364)
YUV	116.4730, -8.1212, -102.1468
Hunter-Lab	57.5850, -43.6751, 22.3054

Details

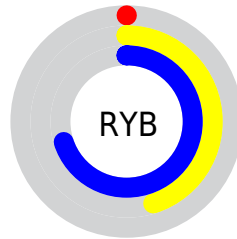
The XYZ color **18.4203, 33.1603, 17.4863** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.0027, 10.1488, 8.3029**, and the grayscale version is **16.7888, 17.6632, 19.2352**.

A 20% lighter version of the original color is **40.2790, 64.6376, 40.0591**, and **7.9534, 14.9152, 5.7085** is the 20% darker color. If you saturate the color by 10%, you get **18.4210, 33.1616, 17.4865**, and if you desaturate by 10%, it is **19.0700, 33.4498, 19.6115**.

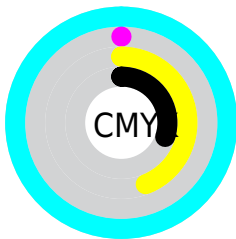
Distribution



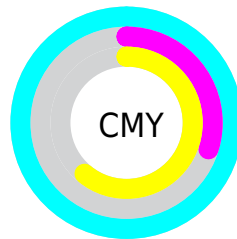
- Red (0%)
- Green (70%)
- Blue (39%)



- Red (0%)
- Yellow (45%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4203, 33.1603, 17.4863 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 18.4203, 33.1603, 17.4863 by changing the saturation by 10% instead.

■ 18.4203, 33.1603,
17.4863

■ 18.4203, 33.1603,
17.4863

236.2295,
316.3714, 250.0975

■ 11.3537, 22.2493,
10.4162

■ 40.2767, 64.6257,
39.9621

■ 6.3743, 14.0402,
5.5666

■ 55.7972, 85.9489,
56.2048

■ 3.1168, 8.1486,
2.5189

■ 74.8664, 111.5116,
76.3422

■ 1.2158, 4.1902,
0.8501

■ 97.8495, 141.6982,
100.7928

■ 0.1188, 1.7805,
0.0000

■ 125.1121,
176.8931, 129.9750

■ 0.0000, 0.4750,
0.0000

■ 157.0194,

■ 0.0000, 0.0000,

217.4806, 164.3076

0.0000

193.9367,
263.8453, 204.2089

■ 18.4203, 33.1603,
17.4863

■ 18.4203, 33.1603,
17.4863

■ 18.4210, 33.1616,
17.4865

■ 19.0700, 33.4498,
19.6115

■ 19.9824, 33.8694,
21.9472

■ 21.2456, 34.4653,
24.5032

■ 22.9017, 35.2592,
27.2864

■ 24.9864, 36.2693,
30.3032

■ 27.5314, 37.5118,
33.5597

■ 30.5650, 39.0014,
37.0616

■ 34.1135, 40.7513,
40.8143

■ 38.2010, 42.7740,
44.8233

Harmonies

Analogous

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



23.0515, 33.1603, 8.1619



18.4203, 33.1603, 17.4863



17.0683, 33.1603, 38.2004

Triad

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



18.4203, 33.1603, 17.4863



32.2409, 33.1603, 112.8865



48.7310, 33.1603, 15.3816

Complementary

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



18.4203, 33.1603, 17.4863



20.0027, 10.1488, 8.3029

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.



52.4326, 33.1603, 34.0895



18.4203, 33.1603, 17.4863



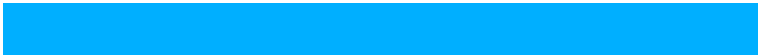
41.8385, 33.1603, 97.1410

Square

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



18.4203, 33.1603, 17.4863



24.0753, 33.1603, 101.1711



49.6969, 33.1603, 64.7109



40.3551, 33.1603, 7.4227

Rectangle

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



18.4203, 33.1603, 17.4863



17.9465, 33.1603, 58.7112



49.6969, 33.1603, 64.7109



50.6288, 33.1603, 20.2057

Sweetspot

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



18.4211, 33.1616, 17.4871



54.4405, 69.7008, 66.0435



19.4760, 33.9712, 5.5307



11.5396, 15.1858, 14.0429



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.



18.4211, 33.1616, 17.4871



32.8755, 59.3433, 30.7124



22.5218, 32.0242, 47.6438



8.5811, 9.5669, 10.0536



13.0498, 23.4459, 12.5310



0.4394, 0.7492, 0.5457

Inverse Universe

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



20.0027, 10.1488, 8.3029



35.7139, 18.1317, 14.2961



18.6884, 9.7785, 0.9026



8.6470, 8.5655, 9.6394



14.1659, 7.1839, 6.0334



0.4752, 0.2378, 0.3452

Previews

White Background



This preview shows how the XYZ color 18.4203, 33.1603, 17.4863 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 18.4203, 33.1603, 17.4863 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 18.4203, 33.1603, 17.4863

Background



This preview shows how black text looks on a background with the XYZ color 18.4203, 33.1603, 17.4863.



This preview shows how white text looks on a background with the XYZ color 18.4203, 33.1603,

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

18.4203, 33.1603, 17.4863

Protanopia

30.1872, 32.7441, 14.6267

Deuteranopia

33.2513, 32.5556, 18.4412



Tritanopia

25.0499, 32.9881, 49.8468

Trichromacy



Original Color

18.4203, 33.1603, 17.4863



Protanomaly

21.4802, 30.5472, 15.3538



Deuteranomaly

22.3680, 29.6473, 17.6403



Tritanomaly

21.6896, 32.7006, 35.3057

Monochromacy



Original Color

18.4203, 33.1603, 17.4863



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.8711, 21.0469, 18.0305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4203, 33.1603, 17.4863 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 100) }
```

Border

The CSS property to change the border of an element to XYZ 18.4203, 33.1603, 17.4863 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, 100) }
```


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

```
.border{ border-color:rgb(0, 179, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4203, 33.1603, 17.4863 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, 100) }
```

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

```
.background{ background-color: rgb(0, 179,  
100) }
```

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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