

Converting Colors

XYZ(18.8115, 33.5907, 16.8364)

Have a look what the booklet for
XYZ(18.8115, 33.5907, 16.8364)
contains.

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Color

**XYZ(18.8556, 33.6998,
16.8202)**

Conversions

Conversions Part 1

Format	Color
Hex	18B461
RGB	24, 180, 97
RGB Percent	9%, 71%, 38%
CMY	0.9059, 0.2941, 0.6196
CMYK	0.87, 0.00, 0.46, 0.29
HSL	148°, 76%, 40%
HSV	148°, 87%, 71%
XYZ	18.8556, 33.6998, 16.8202
YIQ	123.8940, -66.3330, -58.8850

Conversions

Conversions Part 2

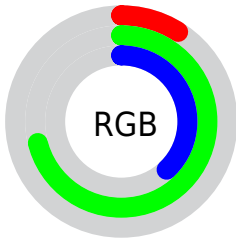
Format	Color
RYB	24, 130, 180
Decimal	1619041
CIELab	64.72, -56.34, 31.87
CIELCh	65, 64.723, 150.506
Yxy	33.6998, 0.2718, 0.4858
Android (android.graphics.Color)	4279809121 (0xFF18B461)
YUV	123.8940, -13.2587, -87.6070
Hunter-Lab	58.0515, -43.6120, 23.4570

Details

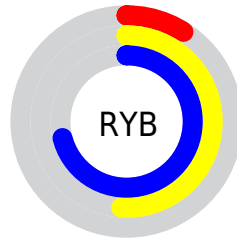
The XYZ color **18.8556, 33.6998, 16.8202** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.8039, 11.4187, 14.9658**, and the grayscale version is **19.1823, 20.1812, 21.9774**.

A 20% lighter version of the original color is **41.0758, 65.5050, 38.9126**, and **7.9944, 15.1351, 5.2963** is the 20% darker color. If you saturate the color by 10%, you get **18.1348, 33.3777, 14.5949**, and if you desaturate by 10%, it is **19.9087, 34.1888, 19.3440**.

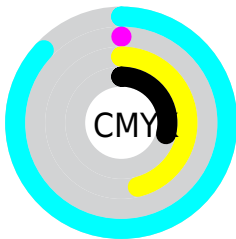
Distribution



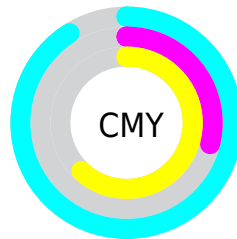
- Red (9%)
- Green (71%)
- Blue (38%)



- Red (9%)
- Yellow (51%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8556, 33.6998, 16.8202 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 18.8556, 33.6998, 16.8202 by changing the saturation by 10% instead.


 18.8556, 33.6998,
16.8202


 18.8556, 33.6998,
16.8202

238.6039,
318.7914, 246.1429


 11.6694, 22.6631,
9.9458

 41.0087, 65.4666,
38.8028


 6.5896, 14.3449,
5.2579


 56.7063, 86.9654,
54.7480


 3.2508, 8.3610,
2.3380


 75.9717, 112.7204,
74.5540

 1.2877, 4.3268,
0.7524

 99.1704, 143.1159,
98.6391

 0.1740, 1.8580,
0.0000

 126.6675,
178.5364, 127.4221

 0.0000, 0.5229,
0.0000

 158.8286,

 0.0000, 0.0000,

219.3662, 161.3213

0.0000

196.0189,
265.9897, 200.7554

■ 18.8556, 33.6998,
16.8202

■ 18.8556, 33.6998,
16.8202

■ 18.1348, 33.3777,
14.5949

■ 19.9087, 34.1888,
19.3440

■ 17.9312, 33.2876,
13.9152

■ 21.3471, 34.8692,
22.1761

■ 23.2129, 35.7632,
25.3283

■ 25.5413, 36.8889,
28.8108

■ 28.3641, 38.2624,
32.6333

■ 31.7100, 39.8984,
36.8053

■ 35.6052, 41.8102,
41.3357

■ 40.0745, 44.0104,
46.2330

■ 45.1408, 46.5108,
51.5056

Harmonies

Analogous

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



23.7869, 33.6998, 7.8995



18.8556, 33.6998, 16.8202



17.2754, 33.6998, 37.1473

Triad

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



18.8556, 33.6998, 16.8202



32.1888, 33.6998, 115.3762



50.0309, 33.6998, 16.3590

Complementary

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



18.8556, 33.6998, 16.8202



21.8039, 11.4187, 14.9658

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.



53.4352, 33.6998, 36.2431



18.8556, 33.6998, 16.8202



41.9880, 33.6998, 100.8299

Square

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



18.8556, 33.6998, 16.8202



24.0118, 33.6998, 101.7194



50.2437, 33.6998, 68.1071



41.6614, 33.6998, 7.7382

Rectangle

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



18.8556, 33.6998, 16.8202



18.0363, 33.6998, 57.7058



50.2437, 33.6998, 68.1071



51.8588, 33.6998, 21.5235

Sweetspot

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



18.8564, 33.7012, 16.8210



57.6394, 72.4123, 66.9073



22.5747, 35.8482, 6.5939



11.9866, 15.4201, 13.8882



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.



18.8564, 33.7012, 16.8210



32.3964, 60.3089, 24.6224



24.4172, 35.9255, 46.1036



8.5489, 9.5541, 9.8844



12.5478, 23.2451, 9.8873



0.4244, 0.7432, 0.4668

Inverse Universe

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



21.8039, 11.4187, 14.9658



37.8192, 19.0702, 21.0295



19.3741, 10.4468, 2.1709



8.6790, 8.5783, 9.8080



14.6373, 7.3725, 8.5159



0.4897, 0.2436, 0.4215

Previews

White Background



This preview shows how the XYZ color 18.8556, 33.6998, 16.8202 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 18.8556, 33.6998, 16.8202 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 18.8556, 33.6998, 16.8202

Background



This preview shows how black text looks on a background with the XYZ color 18.8556, 33.6998, 16.8202.



This preview shows how white text looks on a background with the XYZ color 18.8556, 33.6998,

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

18.8556, 33.6998, 16.8202

Protanopia

30.4445, 33.1394, 14.0245

Deuteranopia

33.7908, 33.0796, 17.9686



Tritanopia

25.6250, 33.5497, 50.4726

Trichromacy



Original Color

18.8556, 33.6998, 16.8202



Protanomaly

22.8147, 31.5171, 14.7785



Deuteranomaly

23.8712, 30.6901, 17.2360



Tritanomaly

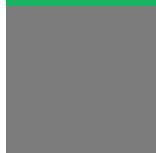
22.3249, 33.3234, 34.9612

Monochromacy



Original Color

18.8556, 33.6998, 16.8202



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.0350, 23.2361, 19.5068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8556, 33.6998, 16.8202 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(24, 180, 97)` looks like.

```
.text, #text, p{  
    color:rgb(24, 180, 97)  
}
```

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(24, 180, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 180, 97) }
```

Border

The CSS property to change the border of an element to XYZ 18.8556, 33.6998, 16.8202 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(24, 180, 97) }
```


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

```
.border{ border-color:rgb(24, 180, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(24, 180, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 180, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 180, 97);  
box-shadow:4px 4px 4px 4px rgb(24, 180,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8556, 33.6998, 16.8202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 180, 97) }
```

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

```
.background{ background-color: rgb(24, 180,  
97) }
```

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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