

Converting Colors

XYZ(16.6156, 33.1180, 17.0046)

Have a look what the booklet for
XYZ(16.6156, 33.1180, 17.0046)
contains.

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Color

**XYZ(18.9326, 34.3377,
17.1853)**

Conversions

Conversions Part 1

Format	Color
Hex	00B662
RGB	0, 182, 98
RGB Percent	0%, 71%, 38%
CMY	0.9999, 0.2863, 0.6157
CMYK	1.00, 0.00, 0.46, 0.29
HSL	152°, 100%, 36%
HSV	152°, 100%, 71%
XYZ	18.9326, 34.3377, 17.1853
YIQ	118.0060, -81.5080, -64.7080

Conversions

Conversions Part 2

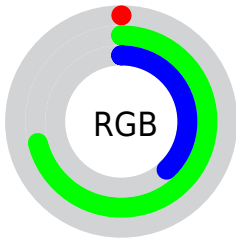
Format	Color
RYB	0, 118, 182
Decimal	46690
CIELab	65.23, -58.12, 31.97
CIELCh	65, 66.332, 151.189
Yxy	34.3377, 0.2687, 0.4874
Android (android.graphics.Color)	4278236770 (0xFF00B662)
YUV	118.0060, -9.8630, -103.4913
Hunter-Lab	58.5984, -44.8754, 23.6307

Details

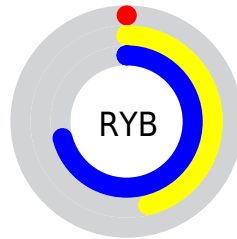
The XYZ color **18.9326, 34.3377, 17.1853** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.8931, 10.5861, 9.3330**, and the grayscale version is **17.2719, 18.1714, 19.7886**.

A 20% lighter version of the original color is **41.0908, 66.3679, 39.4987**, and **8.1437, 15.4005, 5.4491** is the 20% darker color. If you saturate the color by 10%, you get **18.9329, 34.3388, 17.1843**, and if you desaturate by 10%, it is **19.6046, 34.6368, 19.3982**.

Distribution



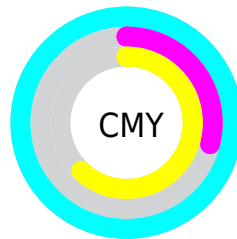
- Red (0%)
- Green (71%)
- Blue (38%)



- Red (0%)
- Yellow (46%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9326, 34.3377, 17.1853 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 18.9326, 34.3377, 17.1853 by changing the saturation by 10% instead.

■ 18.9326, 34.3377,
17.1853

■ 18.9326, 34.3377,
17.1853

239.0217,
321.6352, 248.3180

■ 11.7253, 23.1532,
10.2033

■ 41.1379, 66.4585,
39.4391

■ 6.6278, 14.7066,
5.4266

■ 56.8667, 88.1635,
55.5480

■ 3.2747, 8.6138,
2.4366

■ 76.1666, 114.1441,
75.5364

■ 1.3006, 4.4901,
0.8063

■ 99.4031, 144.7848,
99.8226

■ 0.1837, 1.9513,
0.0000

■ 126.9415,
180.4698, 128.8254

■ 0.0000, 0.5790,
0.0000

■ 159.1472,

■ 0.0000, 0.0000,

221.5836, 162.9632

0.0000

196.3854,
268.5106, 202.6545

■ 18.9326, 34.3377,
17.1853

■ 18.9326, 34.3377,
17.1853

■ 18.9329, 34.3388,
17.1843

■ 19.6046, 34.6368,
19.3982

■ 20.5540, 35.0730,
21.8470

■ 21.8712, 35.6937,
24.5430

■ 23.6003, 36.5216,
27.4941

■ 25.7787, 37.5758,
30.7076

■ 28.4396, 38.8732,
34.1906

■ 31.6127, 40.4290,
37.9498

■ 35.3254, 42.2574,
41.9916

■ 39.6029, 44.3711,
46.3222

Harmonies

Analogous

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



23.9427, 34.3377, 7.8688



18.9326, 34.3377, 17.1853



17.3826, 34.3377, 38.5009

Triad

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



18.9326, 34.3377, 17.1853



33.0233, 34.3377, 119.6196



51.2159, 34.3377, 16.0733

Complementary

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



18.9326, 34.3377, 17.1853



20.8931, 10.5861, 9.3330

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.



54.9166, 34.3377, 36.2966



18.9326, 34.3377, 17.1853



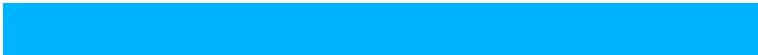
43.2161, 34.3377, 103.7333

Square

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



18.9326, 34.3377, 17.1853



24.4889, 34.3377, 105.9246



51.7373, 34.3377, 69.2778



42.4173, 34.3377, 7.4853

Rectangle

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



18.9326, 34.3377, 17.1853



18.2169, 34.3377, 60.0635



51.7373, 34.3377, 69.2778



53.1671, 34.3377, 21.2863

Sweetspot

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



18.9335, 34.3391, 17.1861



56.9910, 73.1374, 68.4359



20.4698, 35.3858, 5.7517



12.0323, 15.8812, 14.4713



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.9335, 34.3391, 17.1861



34.2034, 62.2056, 30.5187



23.9569, 34.4035, 49.6354



9.0871, 10.1388, 10.6159



13.4036, 24.2624, 12.3134



0.5034, 0.8677, 0.5967

Inverse Universe

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



20.8931, 10.5861, 9.3330



37.7604, 19.1445, 16.3039



19.3582, 10.0775, 0.9253



9.1724, 9.0793, 10.2553



14.7865, 7.4884, 6.7624



0.5526, 0.2765, 0.4032

Previews

White Background



This preview shows how the XYZ color 18.9326, 34.3377, 17.1853 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 18.9326, 34.3377, 17.1853 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 18.9326, 34.3377, 17.1853

Background



This preview shows how black text looks on a background with the XYZ color 18.9326, 34.3377, 17.1853.



This preview shows how white text looks on a background with the XYZ color 18.9326, 34.3377,

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

18.9326, 34.3377, 17.1853

Protanopia

31.0937, 33.7194, 14.3209

Deuteranopia

34.2469, 33.5447, 18.3054



Tritanopia

25.9993, 34.2792, 51.7006

Trichromacy



Original Color

18.9326, 34.3377, 17.1853



Protanomaly

21.9984, 31.3601, 15.0189



Deuteranomaly

23.1142, 30.8130, 17.5612



Tritanomaly

22.3543, 33.8974, 35.9365

Monochromacy



Original Color

18.9326, 34.3377, 17.1853



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

15.2958, 21.6933, 18.4200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9326, 34.3377, 17.1853 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, 182, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 98)  
}
```

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, 182, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 98) }
```

Border

The CSS property to change the border of an element to XYZ 18.9326, 34.3377, 17.1853 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, 182, 98) }
```


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

```
.border{ border-color:rgb(0, 182, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 182, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9326, 34.3377, 17.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 98) }
```

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

```
.background{ background-color: rgb(0, 182,  
98) }
```

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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