

Converting Colors

XYZ(18.8126, 33.5574, 16.9336)

Have a look what the booklet for
XYZ(18.8126, 33.5574, 16.9336)
contains.

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Color

**XYZ(18.9026, 33.7185,
17.0673)**

Conversions

Conversions Part 1

Format	Color
Hex	18B462
RGB	24, 180, 98
RGB Percent	9%, 71%, 38%
CMY	0.9058, 0.2941, 0.6157
CMYK	0.87, 0.00, 0.46, 0.29
HSL	148°, 76%, 40%
HSV	148°, 87%, 71%
XYZ	18.9026, 33.7185, 17.0673
YIQ	124.0080, -66.6540, -58.5740

Conversions

Conversions Part 2

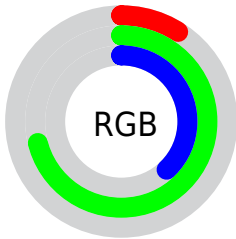
Format	Color
RYB	24, 130, 180
Decimal	1619042
CIELab	64.74, -56.16, 31.37
CIELCh	65, 64.324, 150.814
Yxy	33.7185, 0.2712, 0.4838
Android (android.graphics.Color)	4279809122 (0xFF18B462)
YUV	124.0080, -12.8219, -87.7070
Hunter-Lab	58.0676, -43.5117, 23.2208

Details

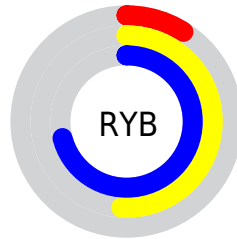
The XYZ color **18.9026, 33.7185, 17.0673** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.7519, 11.3981, 14.6920**, and the grayscale version is **19.2195, 20.2204, 22.0200**.

A 20% lighter version of the original color is **41.1560, 65.5371, 39.3349**, and **8.0152, 15.1435, 5.4063** is the 20% darker color. If you saturate the color by 10%, you get **18.1810, 33.3960, 14.8381**, and if you desaturate by 10%, it is **19.9554, 34.2075, 19.5893**.

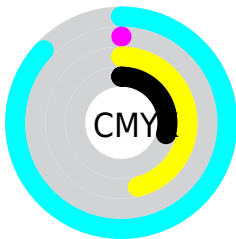
Distribution



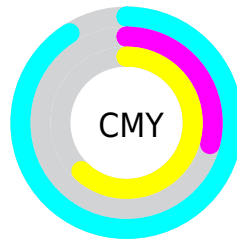
- Red (9%)
- Green (71%)
- Blue (38%)



- 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 18.9026, 33.7185, 17.0673 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 18.9026, 33.7185, 17.0673 by changing the saturation by 10% instead.


 18.9026, 33.7185,
17.0673


 18.9026, 33.7185,
17.0673


238.8590,
318.8750, 247.6170


 11.7035, 22.6774,
10.1200


 41.0876, 65.4957,
39.2337


 6.6129, 14.3555,
5.3720


 56.8042, 87.0006,
55.2899


 3.2654, 8.3683,
2.4046


 76.0907, 112.7622,
75.2194

 1.2956, 4.3315,
0.7889

 99.3125, 143.1649,
99.4409

 0.1799, 1.8607,
0.0000

 126.8348,
178.5932, 128.3729

 0.0000, 0.5246,
0.0000

 159.0231,

 0.0000, 0.0000,

219.4314, 162.4339

0.0000

196.2427,
266.0638, 202.0424

■ 18.9026, 33.7185,
17.0673

■ 18.9026, 33.7185,
17.0673

■ 18.1810, 33.3960,
14.8381

■ 19.9554, 34.2075,
19.5893

■ 17.9767, 33.3056,
14.1551

■ 21.3925, 34.8873,
22.4134

■ 23.2556, 35.7802,
25.5510

■ 25.5801, 36.9044,
29.0120

■ 28.3976, 38.2758,
32.8060

■ 31.7368, 39.9091,
36.9419

■ 35.6239, 41.8177,
41.4284

■ 40.0834, 44.0140,
46.2738

■ 45.1385, 46.5099,
51.4862

Harmonies

Analogous

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



23.7800, 33.7185, 8.0554



18.9026, 33.7185, 17.0673



17.3609, 33.7185, 37.4411

Triad

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



18.9026, 33.7185, 17.0673



32.3014, 33.7185, 114.7377



49.8618, 33.7185, 16.3272

Complementary

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



18.9026, 33.7185, 17.0673



21.7519, 11.3981, 14.6920

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.



53.3040, 33.7185, 35.9958



18.9026, 33.7185, 17.0673



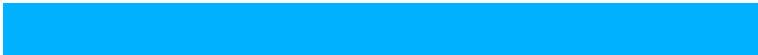
42.0406, 33.7185, 100.0657

Square

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



18.9026, 33.7185, 17.0673



24.1400, 33.7185, 101.4823



50.2014, 33.7185, 67.5455



41.5191, 33.7185, 7.7954

Rectangle

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



18.9026, 33.7185, 17.0673



18.1418, 33.7185, 57.9299



50.2014, 33.7185, 67.5455



51.6950, 33.7185, 21.4362

Sweetspot

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



18.9035, 33.7199, 17.0681



57.6857, 72.4308, 67.1509



22.5750, 35.8482, 6.5942



11.9976, 15.4245, 13.9461



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.



18.9035, 33.7199, 17.0681



32.4785, 60.3417, 25.0548



24.4173, 35.9254, 46.1035



8.5512, 9.5550, 9.8962



12.5797, 23.2579, 10.0556



0.4254, 0.7436, 0.4720

Inverse Universe

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



21.7519, 11.3981, 14.6920



37.7243, 19.0323, 20.5299



19.3742, 10.4470, 2.1713



8.6767, 8.5774, 9.7961



14.6007, 7.3578, 8.3231



0.4886, 0.2432, 0.4158

Previews

White Background



This preview shows how the XYZ color 18.9026, 33.7185, 17.0673 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 18.9026, 33.7185, 17.0673 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 18.9026, 33.7185, 17.0673

Background



This preview shows how black text looks on a background with the XYZ color 18.9026, 33.7185, 17.0673.



This preview shows how white text looks on a background with the XYZ color 18.9026, 33.7185,

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

18.9026, 33.7185, 17.0673

Protanopia

30.4862, 33.1561, 14.2442

Deuteranopia

33.5987, 32.9746, 18.2296



Tritanopia

25.5522, 33.5122, 50.4692

Trichromacy



Original Color

18.9026, 33.7185, 17.0673



Protanomaly

22.8581, 31.5345, 15.0072



Deuteranomaly

23.7714, 30.6329, 17.4918



Tritanomaly

22.3540, 33.3289, 35.3919

Monochromacy



Original Color

18.9026, 33.7185, 17.0673



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.0923, 23.2590, 19.8082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9026, 33.7185, 17.0673 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(24, 180, 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(24, 180, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 180, 98) }
```

Border

The CSS property to change the border of an element to XYZ 18.9026, 33.7185, 17.0673 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, 98) }
```


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

```
.border{ border-color:rgb(24, 180, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 180, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 180, 98);  
box-shadow:4px 4px 4px 4px rgb(24, 180,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9026, 33.7185, 17.0673 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, 98) }
```

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

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