

Converting Colors

XYZ(10.2479, 28.4888, 20.4566)

Have a look what the booklet for
XYZ(10.2479, 28.4888, 20.4566)
contains.

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Color

**XYZ(18.9010, 33.0330,
21.0026)**

Conversions

Conversions Part 1

Format	Color
Hex	00B271
RGB	0, 178, 113
RGB Percent	0%, 70%, 44%
CMY	1.0000, 0.3019, 0.5569
CMYK	1.00, 0.00, 0.37, 0.30
HSL	158°, 100%, 35%
HSV	158°, 100%, 70%
XYZ	18.9010, 33.0330, 21.0026
YIQ	117.3680, -85.2230, -57.9510

Conversions

Conversions Part 2

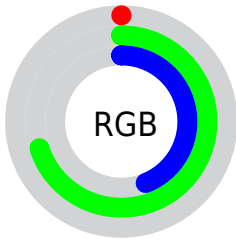
Format	Color
RYB	0, 109, 178
Decimal	45681
CIELab	64.19, -53.79, 22.70
CIELCh	64, 58.384, 157.124
Yxy	33.0330, 0.2591, 0.4529
Android (android.graphics.Color)	4278235761 (0xFF00B271)
YUV	117.3680, -2.1534, -102.9317
Hunter-Lab	57.4743, -41.8786, 18.5660

Details

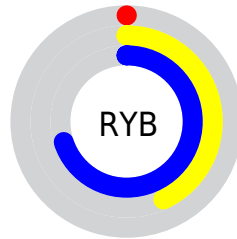
The XYZ color **18.9010, 33.0330, 21.0026** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.3154, 9.8474, 5.8857**, and the grayscale version is **17.0497, 17.9376, 19.5340**.

A 20% lighter version of the original color is **41.1160, 64.5130, 45.8825**, and **8.1331, 14.7855, 7.2757** is the 20% darker color. If you saturate the color by 10%, you get **18.9015, 33.0341, 21.0021**, and if you desaturate by 10%, it is **19.5270, 33.3127, 23.0122**.

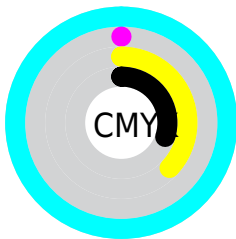
Distribution



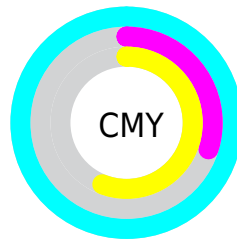
- Red (0%)
- Green (70%)
- Blue (44%)



- Red (0%)
- Yellow (43%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9010, 33.0330, 21.0026 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 18.9010, 33.0330, 21.0026 by changing the saturation by 10% instead.


 18.9010, 33.0330,
21.0026


 18.9010, 33.0330,
21.0026


238.8503,
315.7984, 270.0738


 11.7023, 22.1517,
12.9346


 41.0849, 64.4270,
45.9727


 6.6121, 13.9684,
7.2534


 56.8009, 85.7086,
63.7119


 3.2649, 8.0987,
3.5402


 76.0867, 111.2257,
85.5120

 1.2953, 4.1582,
1.3767

 99.3076, 141.3628,
111.7915

 0.1797, 1.7624,
0.1234

 126.8291,
176.5042, 142.9688

 0.0000, 0.4636,
0.0000

 159.0165,

 0.0000, 0.0000,

217.0343, 179.4626

0.0000

196.2351,
263.3376, 221.6915

■ 18.9010, 33.0330,
21.0026

■ 18.9010, 33.0330,
21.0026

■ 18.9015, 33.0341,
21.0021

■ 19.5270, 33.3127,
23.0122

■ 20.4012, 33.7165,
25.1723

■ 21.6104, 34.2898,
27.4905

■ 23.1956, 35.0538,
29.9711

■ 25.1919, 36.0264,
32.6185

■ 27.6299, 37.2234,
35.4365

■ 30.5373, 38.6590,
38.4288

■ 33.9396, 40.3463,
41.5990

■ 37.8602, 42.2973,
44.9505

Harmonies

Analogous

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



22.7401, 33.0330, 10.4960



18.9010, 33.0330, 21.0026



18.1077, 33.0330, 41.9190

Triad

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



18.9010, 33.0330, 21.0026



33.4115, 33.0330, 102.7740



45.8680, 33.0330, 14.8802

Complementary

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



18.9010, 33.0330, 21.0026



19.3154, 9.8474, 5.8857

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.



49.9784, 33.0330, 30.6074



18.9010, 33.0330, 21.0026



42.0115, 33.0330, 85.9046

Square

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



18.9010, 33.0330, 21.0026



25.6091, 33.0330, 96.4018



48.4555, 33.0330, 56.7478



37.9969, 33.0330, 8.2011

Rectangle

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



18.9010, 33.0330, 21.0026



19.2585, 33.0330, 60.9976



48.4555, 33.0330, 56.7478



47.7930, 33.0330, 18.9362

Sweetspot

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



18.9019, 33.0343, 21.0034



55.0764, 69.9552, 69.3926



18.1193, 32.9752, 5.4102



11.6958, 15.2483, 14.8656



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.



18.9019, 33.0343, 21.0034



34.1613, 59.8576, 37.4835



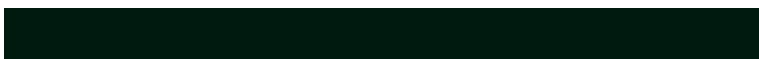
19.6367, 26.4152, 46.1847



8.6083, 9.5778, 10.1971



13.5548, 23.6479, 15.1901



0.4534, 0.7548, 0.6194

Inverse Universe

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



19.3154, 9.8474, 5.8857



34.9244, 17.8160, 10.1390



18.6822, 10.1081, 0.9667



8.6204, 8.5549, 9.4993



13.8476, 7.0566, 4.3575



0.4644, 0.2335, 0.2880

Previews

White Background



This preview shows how the XYZ color 18.9010, 33.0330, 21.0026 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 18.9010, 33.0330, 21.0026 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

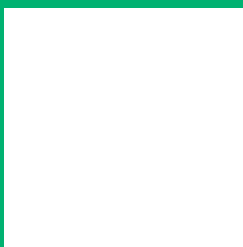
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9010, 33.0330, 21.0026

Background



This preview shows how black text looks on a background with the XYZ color 18.9010, 33.0330, 21.0026.



This preview shows how white text looks on a background with the XYZ color 18.9010, 33.0330,

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

18.9010, 33.0330, 21.0026

Protanopia

30.1522, 32.4153, 17.4995

Deuteranopia

33.0361, 32.3596, 22.2741



Tritanopia

24.7851, 32.8516, 49.8344

Trichromacy



Original Color

18.9010, 33.0330, 21.0026



Protanomaly

21.8144, 30.3817, 18.6244



Deuteranomaly

22.6793, 29.7255, 21.3719



Tritanomaly

21.7992, 32.4248, 37.4574

Monochromacy



Original Color

18.9010, 33.0330, 21.0026



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.2090, 21.1820, 19.8099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9010, 33.0330, 21.0026 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, 178, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 113)  
}
```

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, 178, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.9010, 33.0330, 21.0026 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, 178, 113) }
```


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

```
.border{ border-color:rgb(0, 178, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9010, 33.0330, 21.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 113) }
```

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

```
.background{ background-color: rgb(0, 178,  
113) }
```

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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