

Converting Colors

XYZ(6.1420, 25.3218, 22.0484)

Have a look what the booklet for
XYZ(6.1420, 25.3218, 22.0484)
contains.

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Color

**XYZ(18.4658, 31.6040,
22.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE77
RGB	0, 174, 119
RGB Percent	0%, 68%, 47%
CMY	1.0000, 0.3176, 0.5333
CMYK	1.00, 0.00, 0.32, 0.32
HSL	161°, 100%, 34%
HSV	161°, 100%, 68%
XYZ	18.4658, 31.6040, 22.5797
YIQ	115.7040, -86.0490, -53.9930

Conversions

Conversions Part 2

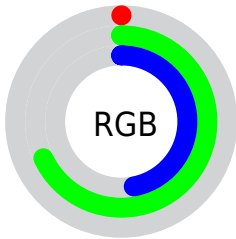
Format	Color
RYB	0, 103, 174
Decimal	44663
CIELab	63.01, -50.99, 17.85
CIELCh	63, 54.025, 160.707
Yxy	31.6040, 0.2542, 0.4350
Android (android.graphics.Color)	4278234743 (0xFF00AE77)
YUV	115.7040, 1.6249, -101.4724
Hunter-Lab	56.2174, -39.7484, 15.5384

Details

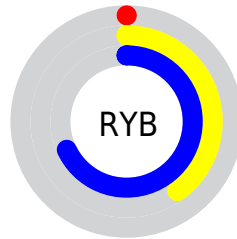
The XYZ color **18.4658, 31.6040, 22.5797** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.1462, 9.2752, 4.4500**, and the grayscale version is **16.5254, 17.3860, 18.9334**.

A 20% lighter version of the original color is **40.4408, 62.4193, 48.4447**, and **7.8220, 13.8751, 8.0603** is the 20% darker color. If you saturate the color by 10%, you get **18.4663, 31.6051, 22.5792**, and if you desaturate by 10%, it is **19.0452, 31.8642, 24.3824**.

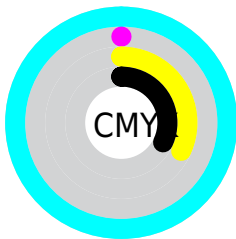
Distribution



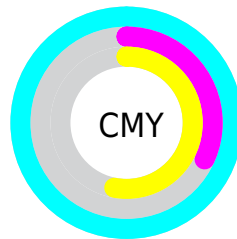
- Red (0%)
- Green (68%)
- Blue (47%)



- Red (0%)
- Yellow (40%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4658, 31.6040, 22.5797 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 18.4658, 31.6040, 22.5797 by changing the saturation by 10% instead.


 18.4658, 31.6040,
22.5797


 18.4658, 31.6040,
22.5797


236.4787,
309.3114, 278.6104


 11.3866, 21.0592,
14.0811


 40.3533, 62.1898,
48.6167


 6.3967, 13.1673,
8.0377


 55.8924, 82.9995,
66.9921


 3.1307, 7.5438,
4.0310


 74.9822, 107.9998,
89.4970

 1.2233, 3.8045,
1.6423

 97.9880, 137.5748,
116.5497

 0.1246, 1.5648,
0.3208

 125.2752,
172.1091, 148.5689

 0.0000, 0.3337,
0.0000

 157.2092,

 0.0000, 0.0000,

211.9870, 185.9730

0.0000

194.1552,
257.5930, 229.1807

■ 18.4658, 31.6040,
22.5797

■ 18.4658, 31.6040,
22.5797

■ 18.4663, 31.6051,
22.5792

■ 19.0452, 31.8642,
24.3824

■ 19.8529, 32.2391,
26.2965

■ 20.9725, 32.7724,
28.3282

■ 22.4426, 33.4842,
30.4810

■ 24.2960, 34.3912,
32.7578

■ 26.5616, 35.5082,
35.1616

■ 29.2654, 36.8488,
37.6950

■ 32.4313, 38.4252,
40.3605

■ 36.0813, 40.2487,
43.1606

Harmonies

Analogous

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



21.6470, 31.6040, 11.7716



18.4658, 31.6040, 22.5797



18.0682, 31.6040, 42.5912

Triad

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



18.4658, 31.6040, 22.5797



32.7734, 31.6040, 92.3491



42.2303, 31.6040, 14.0215

Complementary

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



18.4658, 31.6040, 22.5797



18.1462, 9.2752, 4.4500

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.



46.3877, 31.6040, 27.3523



18.4658, 31.6040, 22.5797



40.3593, 31.6040, 75.7105

Square

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



18.4658, 31.6040, 22.5797



25.5588, 31.6040, 89.3190



45.6515, 31.6040, 49.7878



35.0136, 31.6040, 8.4296

Rectangle

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



18.4658, 31.6040, 22.5797



19.3481, 31.6040, 59.8360



45.6515, 31.6040, 49.7878



44.0818, 31.6040, 17.4537

Sweetspot

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



18.4666, 31.6052, 22.5804



52.7978, 66.6964, 68.1194



16.7182, 31.0886, 5.1199



11.2664, 14.5914, 14.7129



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.4666, 31.6052, 22.5804



33.3893, 57.2844, 40.3991



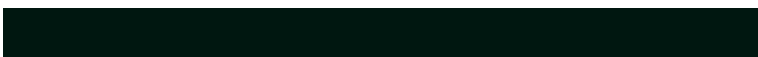
17.3290, 22.4333, 43.4626



8.1269, 9.0283, 9.6935



13.4210, 22.9337, 16.5224



0.3967, 0.6473, 0.5824

Inverse Universe

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



18.1462, 9.2752, 4.4500



32.8241, 16.7873, 7.5972



17.9704, 10.0272, 0.9886



8.1057, 8.0555, 8.8672



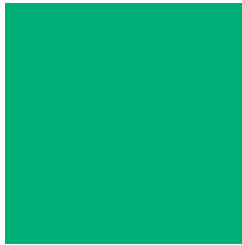
13.1851, 6.7366, 3.3542



0.3920, 0.1975, 0.2258

Previews

White Background



This preview shows how the XYZ color 18.4658, 31.6040, 22.5797 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 18.4658, 31.6040, 22.5797 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 18.4658, 31.6040, 22.5797

Background



This preview shows how black text looks on a background with the XYZ color 18.4658, 31.6040, 22.5797.



This preview shows how white text looks on a background with the XYZ color 18.4658, 31.6040,

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

18.4658, 31.6040, 22.5797

Protanopia

28.9312, 31.0239, 18.9314

Deuteranopia

31.6598, 31.1524, 23.7464



Tritanopia

23.6781, 31.4975, 48.0117

Trichromacy



Original Color

18.4658, 31.6040, 22.5797



Protanomaly

21.0877, 28.9316, 20.0957



Deuteranomaly

22.0192, 28.5865, 23.0961



Tritanomaly

21.1589, 31.2566, 37.2657

Monochromacy



Original Color

18.4658, 31.6040, 22.5797



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.9806, 20.6315, 20.0223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4658, 31.6040, 22.5797 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, 174, 119)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 119)  
}
```

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, 174, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.4658, 31.6040, 22.5797 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, 174, 119) }
```


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

```
.border{ border-color:rgb(0, 174, 119) }
```

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

Here you see how a box with a 4 pixel rgb(0, 174, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4658, 31.6040, 22.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 119) }
```

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

```
.background{ background-color: rgb(0, 174,  
119) }
```

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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