

Converting Colors

XYZ(17.2427, 31.0767, 20.9610)

Have a look what the booklet for
XYZ(17.2427, 31.0767, 20.9610)
contains.

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Color

**XYZ(18.1733, 31.4870,
21.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE72
RGB	0, 174, 114
RGB Percent	0%, 68%, 45%
CMY	1.0000, 0.3176, 0.5529
CMYK	1.00, 0.00, 0.34, 0.32
HSL	159°, 100%, 34%
HSV	159°, 100%, 68%
XYZ	18.1733, 31.4870, 21.0394
YIQ	115.1340, -84.4440, -55.5480

Conversions

Conversions Part 2

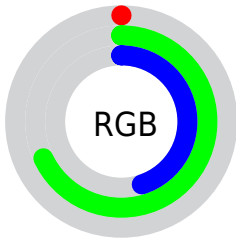
Format	Color
RYB	0, 105, 174
Decimal	44658
CIELab	62.92, -52.11, 20.44
CIELCh	63, 55.972, 158.584
Yxy	31.4870, 0.2570, 0.4454
Android (android.graphics.Color)	4278234738 (0xFF00AE72)
YUV	115.1340, -0.5591, -100.9725
Hunter-Lab	56.1133, -40.3878, 17.0488

Details

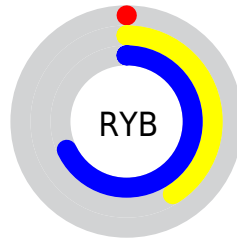
The XYZ color **18.1733, 31.4870, 21.0394** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.2723, 9.3256, 5.1136**, and the grayscale version is **16.3578, 17.2096, 18.7413**.

A 20% lighter version of the original color is **39.9730, 62.2322, 45.9816**, and **7.6706, 13.8146, 7.2632** is the 20% darker color. If you saturate the color by 10%, you get **18.1738, 31.4881, 21.0390**, and if you desaturate by 10%, it is **18.7655, 31.7524, 22.9098**.

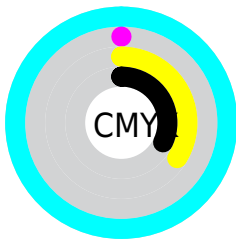
Distribution



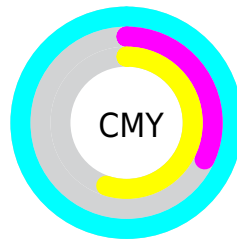
- Red (0%)
- Green (68%)
- Blue (45%)



- Red (0%)
- Yellow (41%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1733, 31.4870, 21.0394 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 18.1733, 31.4870, 21.0394 by changing the saturation by 10% instead.

■ 18.1733, 31.4870,
21.0394

■ 18.1733, 31.4870,
21.0394

234.8728,
308.7757, 270.2757

■ 11.1749, 20.9700,
12.9613

■ 39.8602, 62.0060,
46.0347

■ 6.2528, 13.1021,
7.2715

■ 55.2794, 82.7767,
63.7890

■ 3.0415, 7.4989,
3.5514

■ 74.2362, 107.7342,
85.6058

■ 1.1757, 3.7760,
1.3826

■ 97.0961, 137.2627,
111.9036

■ 0.0871, 1.5491,
0.1281

■ 124.2243,
171.7468, 143.1010

■ 0.0000, 0.3229,
0.0000

■ 155.9863,

■ 0.0000, 0.0000,

211.5707, 179.6164

0.0000

192.7473,
257.1188, 221.8685

■ 18.1733, 31.4870,
21.0394

■ 18.1733, 31.4870,
21.0394

■ 18.1738, 31.4881,
21.0390

■ 18.7655, 31.7524,
22.9098

■ 19.5895, 32.1337,
24.9096

■ 20.7288, 32.6750,
27.0454

■ 22.2222, 33.3960,
29.3211

■ 24.1026, 34.3138,
31.7402

■ 26.3990, 35.4432,
34.3060

■ 29.1374, 36.7976,
37.0218

■ 32.3418, 38.3894,
39.8904

■ 36.0344, 40.2299,
42.9148

Harmonies

Analogous

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



21.6270, 31.4870, 10.7058



18.1733, 31.4870, 21.0394



17.5674, 31.4870, 40.9949

Triad

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



18.1733, 31.4870, 21.0394



32.1871, 31.4870, 95.4446



43.0249, 31.4870, 14.0876

Complementary

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



18.1733, 31.4870, 21.0394



18.2723, 9.3256, 5.1136

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.



47.0411, 31.4870, 28.3486



18.1733, 31.4870, 21.0394



40.1189, 31.4870, 79.1327

Square

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



18.1733, 31.4870, 21.0394



24.8507, 31.4870, 90.6828



45.8953, 31.4870, 52.1696



35.6524, 31.4870, 8.0542

Rectangle

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



18.1733, 31.4870, 21.0394



18.7388, 31.4870, 58.7727



45.8953, 31.4870, 52.1696



44.8650, 31.4870, 17.7637

Sweetspot

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



18.1741, 31.4882, 21.0401



52.5624, 66.6022, 66.8798



17.0555, 31.2624, 5.1357



11.2081, 14.5681, 14.4062



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.



18.1741, 31.4882, 21.0401



32.8552, 57.0707, 37.5868



18.2153, 24.2059, 43.7581



8.1172, 9.0244, 9.6422



13.2098, 22.8492, 15.4104



0.3919, 0.6454, 0.5572

Inverse Universe

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



18.2723, 9.3256, 5.1136



33.0474, 16.8766, 8.7731



17.8281, 9.7427, 0.9412



8.1150, 8.0592, 8.9164



13.2778, 6.7737, 3.8426



0.3956, 0.1989, 0.2448

Previews

White Background



This preview shows how the XYZ color 18.1733, 31.4870, 21.0394 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 18.1733, 31.4870, 21.0394 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 18.1733, 31.4870, 21.0394

Background



This preview shows how black text looks on a background with the XYZ color 18.1733, 31.4870, 21.0394.



This preview shows how white text looks on a background with the XYZ color 18.1733, 31.4870,

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

18.1733, 31.4870, 21.0394

Protanopia

28.6696, 30.9192, 17.5537

Deuteranopia

31.4811, 30.8614, 22.3868



Tritanopia

23.6974, 31.5192, 47.4827

Trichromacy



Original Color

18.1733, 31.4870, 21.0394



Protanomaly

20.8138, 28.8220, 18.6536



Deuteranomaly

21.8406, 28.5297, 21.4952



Tritanomaly

20.9411, 31.1738, 35.9238

Monochromacy



Original Color

18.1733, 31.4870, 21.0394



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.6463, 20.2626, 19.3588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1733, 31.4870, 21.0394 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 114) }
```

Border

The CSS property to change the border of an element to XYZ 18.1733, 31.4870, 21.0394 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, 114) }
```


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

```
.border{ border-color:rgb(0, 174, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1733, 31.4870, 21.0394 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, 114) }
```

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

```
.background{ background-color: rgb(0, 174,  
114) }
```

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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