

Converting Colors

XYZ(11.0309, 27.7850, 18.4461)

Have a look what the booklet for
XYZ(11.0309, 27.7850, 18.4461)
contains.

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Color

**XYZ(17.7376, 31.3127,
18.7448)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE6A
RGB	0, 174, 106
RGB Percent	0%, 68%, 42%
CMY	0.9999, 0.3176, 0.5843
CMYK	1.00, 0.00, 0.39, 0.32
HSL	157°, 100%, 34%
HSV	157°, 100%, 68%
XYZ	17.7376, 31.3127, 18.7448
YIQ	114.2220, -81.8760, -58.0360

Conversions

Conversions Part 2

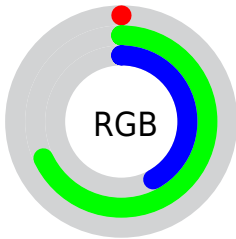
Format	Color
RYB	0, 108, 174
Decimal	44650
CIELab	62.77, -53.80, 24.55
CIELCh	63, 59.137, 155.470
Yxy	31.3127, 0.2616, 0.4619
Android (android.graphics.Color)	4278234730 (0xFF00AE6A)
YUV	114.2220, -4.0534, -100.1727
Hunter-Lab	55.9578, -41.3448, 19.3094

Details

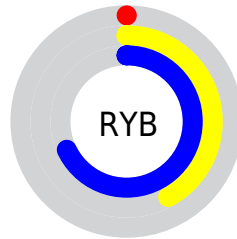
The XYZ color **17.7376, 31.3127, 18.7448** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.5002, 9.4168, 6.3138**, and the grayscale version is **16.0920, 16.9300, 18.4368**.

A 20% lighter version of the original color is **39.2617, 61.9476, 42.2355**, and **7.4802, 13.7384, 6.2605** is the 20% darker color. If you saturate the color by 10%, you get **17.7379, 31.3137, 18.7440**, and if you desaturate by 10%, it is **18.3448, 31.5840, 20.6941**.

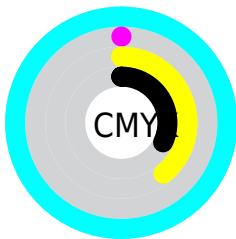
Distribution



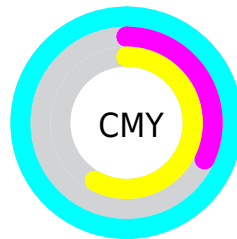
- Red (0%)
- Green (68%)
- Blue (42%)



- Red (0%)
- Yellow (42%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7376, 31.3127, 18.7448 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 17.7376, 31.3127, 18.7448 by changing the saturation by 10% instead.

■ 17.7376, 31.3127,
18.7448

■ 17.7376, 31.3127,
18.7448

232.4621,
307.9763, 257.4119

■ 10.8603, 20.8371,
11.3111

■ 39.1233, 61.7321,
42.1334

■ 6.0396, 13.0050,
6.1597

■ 54.3624, 82.4446,
58.9253

■ 2.9100, 7.4320,
2.8721

■ 73.1195, 107.3382,
79.6737

■ 1.1064, 3.7337,
1.0297

■ 95.7599, 136.7973,
104.7971

■ 0.0304, 1.5257,
0.0000

■ 122.6490,
171.2062, 134.7141

■ 0.0000, 0.3067,
0.0000

■ 154.1522,

■ 0.0000, 0.0000,

210.9495, 169.8432

0.0000

190.6348,
256.4114, 210.6030

■ 17.7376, 31.3127,
18.7448

■ 17.7376, 31.3127,
18.7448

■ 17.7379, 31.3137,
18.7440

■ 18.3448, 31.5840,
20.6941

■ 19.1896, 31.9738,
22.8035

■ 20.3559, 32.5258,
25.0808

■ 21.8825, 33.2602,
27.5310

■ 23.8025, 34.1938,
30.1585

■ 26.1451, 35.3417,
32.9676

■ 28.9366, 36.7174,
35.9623

■ 32.2011, 38.3332,
39.1466

■ 35.9608, 40.2005,
42.5241

Harmonies

Analogous

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



21.6192, 31.3127, 9.1646



17.7376, 31.3127, 18.7448



16.8103, 31.3127, 38.5181

Triad

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



17.7376, 31.3127, 18.7448



31.2688, 31.3127, 100.4219



44.3085, 31.3127, 14.2305

Complementary

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



17.7376, 31.3127, 18.7448



18.5002, 9.4168, 6.3138

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.



48.0812, 31.3127, 30.0228



17.7376, 31.3127, 18.7448



39.7284, 31.3127, 84.7499

Square

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



17.7376, 31.3127, 18.7448



23.7610, 31.3127, 92.7811



46.2694, 31.3127, 56.1292



36.6963, 31.3127, 7.5077

Rectangle

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



17.7376, 31.3127, 18.7448



17.8140, 31.3127, 57.0568



46.2694, 31.3127, 56.1292



46.1249, 31.3127, 18.3042

Sweetspot

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



17.7384, 31.3139, 18.7455



52.1919, 66.4540, 64.9283



17.6344, 31.5609, 5.1628



11.1166, 14.5316, 13.9245



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.



17.7384, 31.3139, 18.7455



32.0610, 56.7531, 33.4045



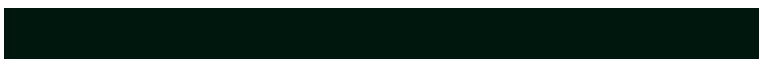
19.6305, 27.0363, 44.2298



8.1017, 9.0182, 9.5605



12.8947, 22.7232, 13.7513



0.3845, 0.6425, 0.5185

Inverse Universe

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



18.5002, 9.4168, 6.3138



33.4534, 17.0390, 10.9109



17.6632, 9.4129, 0.8863



8.1300, 8.0652, 8.9954



13.4449, 6.8405, 4.7224



0.4013, 0.2012, 0.2753

Previews

White Background



This preview shows how the XYZ color 17.7376, 31.3127, 18.7448 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 17.7376, 31.3127, 18.7448 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 17.7376, 31.3127, 18.7448

Background



This preview shows how black text looks on a background with the XYZ color 17.7376, 31.3127, 18.7448.



This preview shows how white text looks on a background with the XYZ color 17.7376, 31.3127,

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

17.7376, 31.3127, 18.7448

Protanopia

28.5341, 30.8888, 15.7675

Deuteranopia

31.4661, 30.9080, 19.9302



Tritanopia

23.6417, 31.2217, 47.4282

Trichromacy



Original Color

17.7376, 31.3127, 18.7448



Protanomaly

20.4073, 28.6594, 16.5128



Deuteranomaly

21.5130, 28.4134, 19.1023



Tritanomaly

20.5452, 30.7234, 34.5531

Monochromacy



Original Color

17.7376, 31.3127, 18.7448



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.4211, 20.1725, 18.1725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7376, 31.3127, 18.7448 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 106) }
```

Border

The CSS property to change the border of an element to XYZ 17.7376, 31.3127, 18.7448 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, 106) }
```


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

```
.border{ border-color:rgb(0, 174, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7376, 31.3127, 18.7448 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, 106) }
```

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

```
.background{ background-color: rgb(0, 174,  
106) }
```

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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