

Converting Colors

XYZ(13.0649, 28.1982, 21.7097)

Have a look what the booklet for
XYZ(13.0649, 28.1982, 21.7097)
contains.

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Color

**XYZ(17.9634, 30.7894,
21.8258)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC75
RGB	0, 172, 117
RGB Percent	0%, 67%, 46%
CMY	1.0000, 0.3255, 0.5412
CMYK	1.00, 0.00, 0.32, 0.33
HSL	161°, 100%, 34%
HSV	161°, 100%, 67%
XYZ	17.9634, 30.7894, 21.8258
YIQ	114.3020, -84.8570, -53.5690

Conversions

Conversions Part 2

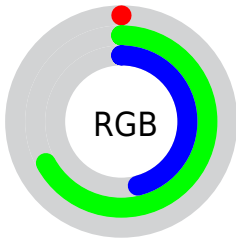
Format	Color
RYB	0, 102, 172
Decimal	44149
CIELab	62.33, -50.69, 18.00
CIELCh	62, 53.792, 160.448
Yxy	30.7894, 0.2545, 0.4362
Android (android.graphics.Color)	4278234229 (0xFF00AC75)
YUV	114.3020, 1.3301, -100.2429
Hunter-Lab	55.4882, -39.3179, 15.5205

Details

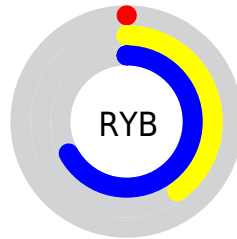
The XYZ color **17.9634, 30.7894, 21.8258** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.7039, 9.0472, 4.4294**, and the grayscale version is **16.1009, 16.9394, 18.4470**.

A 20% lighter version of the original color is **39.3185, 60.6267, 47.1659**, and **7.5218, 13.3742, 7.6539** is the 20% darker color. If you saturate the color by 10%, you get **17.9638, 30.7904, 21.8253**, and if you desaturate by 10%, it is **18.5321, 31.0449, 23.5915**.

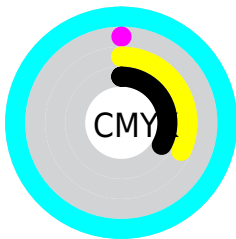
Distribution



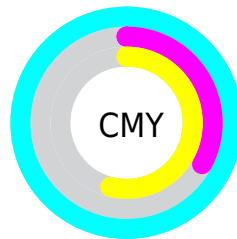
- Red (0%)
- Green (67%)
- Blue (46%)



- Red (0%)
- Yellow (40%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9634, 30.7894, 21.8258 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 17.9634, 30.7894, 21.8258 by changing the saturation by 10% instead.

■ 17.9634, 30.7894,
21.8258

■ 17.9634, 30.7894,
21.8258

■ 233.7142,
305.5669, 274.5590

■ 11.0232, 20.4385,
13.5319

■ 39.5055, 60.9083,
47.3564

■ 6.1499, 12.7142,
7.6608

■ 54.8382, 81.4452,
65.4302

■ 2.9780, 7.2321,
3.7940

■ 73.6991, 106.1462,
87.6009

■ 1.1421, 3.6076,
1.5130

■ 96.4536, 135.3957,
114.2873

■ 0.0599, 1.4566,
0.2276

■ 123.4669,
169.5782, 145.9077

■ 0.0000, 0.2579,
0.0000

■ 155.1046,

■ 0.0000, 0.0000,

209.0779, 182.8808

0.0000

191.7319,
254.2794, 225.6250

■ 17.9634, 30.7894,
21.8258

■ 17.9634, 30.7894,
21.8258

■ 17.9638, 30.7904,
21.8253

■ 18.5321, 31.0449,
23.5915

■ 19.3229, 31.4119,
25.4677

■ 20.4179, 31.9334,
27.4607

■ 21.8546, 32.6287,
29.5737

■ 23.6648, 33.5143,
31.8097

■ 25.8766, 34.6046,
34.1717

■ 28.5154, 35.9125,
36.6622

■ 31.6042, 37.4500,
39.2838

■ 35.1647, 39.2282,
42.0389

Harmonies

Analogous

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



21.0956, 30.7894, 11.3463



17.9634, 30.7894, 21.8258



17.5515, 30.7894, 41.3261

Triad

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



17.9634, 30.7894, 21.8258



31.8749, 30.7894, 90.3650



41.2515, 30.7894, 13.6730

Complementary

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



17.9634, 30.7894, 21.8258



17.7039, 9.0472, 4.4294

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.



45.2877, 30.7894, 26.7721



17.9634, 30.7894, 21.8258



39.3091, 30.7894, 74.1829

Square

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



17.9634, 30.7894, 21.8258



24.8285, 30.7894, 87.2149



44.5232, 30.7894, 48.7971



34.1995, 30.7894, 8.1714

Rectangle

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



17.9634, 30.7894, 21.8258



18.7864, 30.7894, 58.1976



44.5232, 30.7894, 48.7971



43.0549, 30.7894, 17.0461

Sweetspot

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



17.9642, 30.7906, 21.8265



51.4477, 65.0084, 66.2560



16.4601, 30.3861, 4.9979



10.7401, 13.9092, 13.9941



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.9642, 30.7906, 21.8265



32.4832, 55.8146, 39.0420



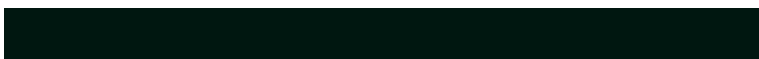
17.3201, 22.7253, 42.5047



8.1257, 9.0278, 9.6869



13.3933, 22.9226, 16.3768



0.3960, 0.6471, 0.5791

Inverse Universe

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



17.7039, 9.0472, 4.4294



32.0265, 16.3761, 7.5631



17.4455, 9.6340, 0.9404



8.1069, 8.0560, 8.8735



13.1965, 6.7411, 3.4142



0.3924, 0.1977, 0.2282

Previews

White Background



This preview shows how the XYZ color 17.9634, 30.7894, 21.8258 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 17.9634, 30.7894, 21.8258 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 17.9634, 30.7894, 21.8258

Background



This preview shows how black text looks on a background with the XYZ color 17.9634, 30.7894, 21.8258.



This preview shows how white text looks on a background with the XYZ color 17.9634, 30.7894,

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

17.9634, 30.7894, 21.8258

Protanopia

28.2581, 30.4513, 18.2982

Deuteranopia

30.7820, 30.2608, 22.9574



Tritanopia

23.1150, 30.6951, 46.8259

Trichromacy



Original Color

17.9634, 30.7894, 21.8258



Protanomaly

20.5756, 28.4262, 19.4413



Deuteranomaly

21.4372, 27.8067, 22.3265



Tritanomaly

20.6188, 30.4498, 36.2432

Monochromacy



Original Color

17.9634, 30.7894, 21.8258



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.5061, 19.9822, 19.3121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9634, 30.7894, 21.8258 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, 172, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 117)  
}
```

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, 172, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.9634, 30.7894, 21.8258 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, 172, 117) }
```


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

```
.border{ border-color:rgb(0, 172, 117) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9634, 30.7894, 21.8258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 117) }
```

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

```
.background{ background-color: rgb(0, 172,  
117) }
```

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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