

Converting Colors

XYZ(19.6607, 31.9164, 28.2561)

Have a look what the booklet for
XYZ(19.6607, 31.9164, 28.2561)
contains.

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Color

**XYZ(19.6187, 31.7839,
28.3934)**

Conversions

Conversions Part 1

Format	Color
Hex	11AD88
RGB	17, 173, 136
RGB Percent	7%, 68%, 53%
CMY	0.9333, 0.3216, 0.4667
CMYK	0.90, 0.00, 0.21, 0.32
HSL	166°, 82%, 37%
HSV	166°, 90%, 68%
XYZ	19.6187, 31.7839, 28.3934
YIQ	122.1380, -81.0990, -44.5790

Conversions

Conversions Part 2

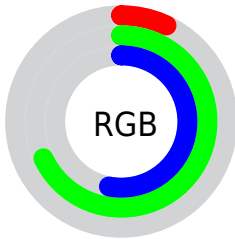
Format	Color
RYB	17, 105, 173
Decimal	1158536
CIELab	63.16, -45.73, 8.71
CIElCh	63, 46.553, 169.212
Yxy	31.7839, 0.2459, 0.3983
Android (android.graphics.Color)	4279348616 (0xFF11AD88)
YUV	122.1380, 6.8340, -92.2060
Hunter-Lab	56.3772, -36.5439, 9.6037

Details

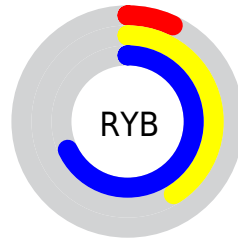
The XYZ color **19.6187, 31.7839, 28.3934** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.1011, 9.5524, 4.3818**, and the grayscale version is **18.5430, 19.5086, 21.2449**.

A 20% lighter version of the original color is **42.1344, 62.2541, 57.9396**, and **8.2765, 13.8655, 11.0442** is the 20% darker color. If you saturate the color by 10%, you get **19.1066, 31.5532, 26.9007**, and if you desaturate by 10%, it is **20.3556, 32.1302, 29.9805**.

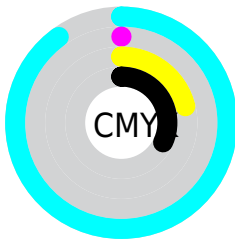
Distribution



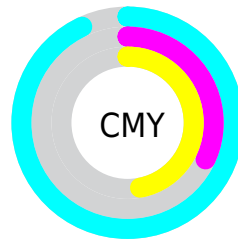
- Red (7%)
- Green (68%)
- Blue (53%)



- Red (7%)
- Yellow (41%)
- Blue (68%)



- Cyan (90%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)



- Cyan (93%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6187, 31.7839, 28.3934 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 19.6187, 31.7839, 28.3934 by changing the saturation by 10% instead.

■ 19.6187, 31.7839,
28.3934

■ 19.6187, 31.7839,
28.3934

■ 242.7165,
310.1337, 308.3129

■ 12.2248, 21.1965,
18.3808

■ 42.2858, 62.4722,
58.1426

■ 6.9703, 13.2677,
11.0515

■ 58.2898, 83.3418,
78.7162

■ 3.4897, 7.6131,
5.9869

■ 77.8945, 108.4076,
103.6472

■ 1.4177, 3.8484,
2.7684

■ 101.4653,
138.0541, 133.3543

■ 0.2688, 1.5891,
0.9776

■ 129.3675,
172.6655, 168.2558

■ 0.0000, 0.3503,
0.0000

■ 161.9665,

■ 0.0000, 0.0000,

212.6263, 208.7704

0.0000

199.6277,
258.3209, 255.3166

■ 19.6187, 31.7839,
28.3934

■ 19.6187, 31.7839,
28.3934

■ 19.1066, 31.5532,
26.9007

■ 20.3556, 32.1302,
29.9805

■ 21.3906, 32.6281,
31.6398

■ 22.7625, 33.2984,
33.3744

■ 24.5035, 34.1576,
35.1865

■ 26.6420, 35.2204,
37.0779

■ 29.2035, 36.4999,
39.0506

■ 32.2115, 38.0082,
41.1061

■ 35.6875, 39.7564,
43.2460

■ 39.6519, 41.7549,
45.4719

Harmonies

Analogous

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



21.7817, 31.7839, 16.2460



19.6187, 31.7839, 28.3934



19.9734, 31.7839, 47.6167

Triad

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



19.6187, 31.7839, 28.3934



34.4638, 31.7839, 79.9725



39.0282, 31.7839, 14.1240

Complementary

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



19.6187, 31.7839, 28.3934



18.1011, 9.5524, 4.3818

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.



43.4544, 31.7839, 24.2135



19.6187, 31.7839, 28.3934



40.5716, 31.7839, 63.2770

Square

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



19.6187, 31.7839, 28.3934



27.9539, 31.7839, 82.3490



44.0562, 31.7839, 41.6674



32.5835, 31.7839, 10.1751

Rectangle

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



19.6187, 31.7839, 28.3934



21.6065, 31.7839, 62.1681



44.0562, 31.7839, 41.6674



40.8382, 31.7839, 16.7008

Sweetspot

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



19.6196, 31.7851, 28.3941



53.6707, 66.0536, 70.9120



16.6770, 30.7698, 5.5911



11.3030, 14.1742, 15.1527



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.



19.6196, 31.7851, 28.3941



34.1303, 56.4734, 47.7150



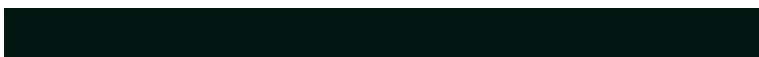
16.3004, 20.1884, 42.5742



8.1539, 9.0391, 9.8352



14.0591, 23.1889, 19.8829



0.4106, 0.6529, 0.6557

Inverse Universe

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



18.1011, 9.5524, 4.3818



31.5125, 16.1704, 4.8562



18.7503, 11.7546, 1.8116



8.0802, 8.0453, 8.7332



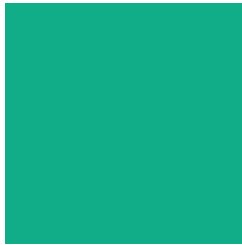
12.9743, 6.6523, 2.2444



0.3820, 0.1935, 0.1735

Previews

White Background



This preview shows how the XYZ color 19.6187, 31.7839, 28.3934 looks on a white background.

Color Contrast Check

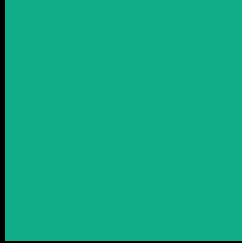
Large Text (above 18pt) WCAG AA × Fail

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 19.6187, 31.7839, 28.3934 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

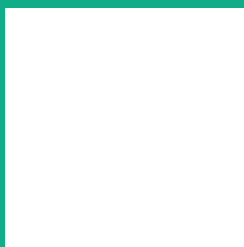
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6187, 31.7839, 28.3934

Background



This preview shows how black text looks on a background with the XYZ color 19.6187, 31.7839, 28.3934.



This preview shows how white text looks on a background with the XYZ color 19.6187, 31.7839,

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

19.6187, 31.7839, 28.3934

Protanopia

29.2655, 31.0875, 23.8601

Deuteranopia

31.7389, 31.0568, 29.9129



Tritanopia

23.7348, 31.7859, 48.6004

Trichromacy



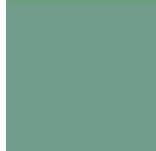
Original Color

19.6187, 31.7839, 28.3934



Protanomaly

22.5449, 29.5694, 25.2881



Deuteranomaly

23.5615, 29.2478, 29.2145



Tritanomaly

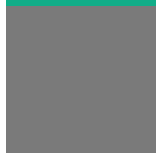
21.8939, 31.5640, 40.5358

Monochromacy



Original Color

19.6187, 31.7839, 28.3934



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.0118, 22.4669, 23.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6187, 31.7839, 28.3934 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(17, 173, 136)` looks like.

```
.text, #text, p{  
    color:rgb(17, 173, 136)  
}
```

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(17, 173, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 173, 136) }
```

Border

The CSS property to change the border of an element to XYZ 19.6187, 31.7839, 28.3934 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(17, 173, 136) }
```


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

```
.border{ border-color:rgb(17, 173, 136) }
```

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

Here you see how a box with a 4 pixel rgb(17, 173, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 173, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 173, 136);  
box-shadow:4px 4px 4px 4px rgb(17, 173,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6187, 31.7839, 28.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 173, 136) }
```

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

```
.background{ background-color: rgb(17, 173,  
136) }
```

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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