

Converting Colors

XYZ(18.7765, 30.7659, 27.1824)

Have a look what the booklet for
XYZ(18.7765, 30.7659, 27.1824)
contains.

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Color

**XYZ(18.7965, 30.8193,
27.1483)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB85
RGB	0, 171, 133
RGB Percent	0%, 67%, 52%
CMY	1.0000, 0.3294, 0.4784
CMYK	1.00, 0.00, 0.22, 0.33
HSL	167°, 100%, 34%
HSV	167°, 100%, 67%
XYZ	18.7965, 30.8193, 27.1483
YIQ	115.5390, -89.7180, -48.0700

Conversions

Conversions Part 2

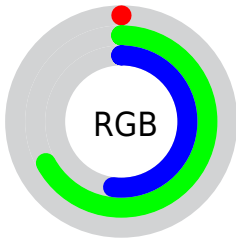
Format	Color
RYB	0, 96, 171
Decimal	43909
CIELab	62.35, -46.43, 9.21
CIELCh	62, 47.336, 168.775
Yxy	30.8193, 0.2449, 0.4015
Android (android.graphics.Color)	4278233989 (0xFF00AB85)
YUV	115.5390, 8.6083, -101.3277
Hunter-Lab	55.5151, -36.7144, 9.8663

Details

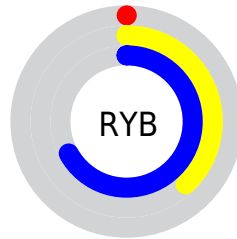
The XYZ color **18.7965, 30.8193, 27.1483** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.1454, 8.7985, 2.6295**, and the grayscale version is **16.4552, 17.3122, 18.8530**.

A 20% lighter version of the original color is **40.8462, 60.8105, 56.0392**, and **8.0398, 13.5814, 10.3813** is the 20% darker color. If you saturate the color by 10%, you get **18.7970, 30.8203, 27.1480**, and if you desaturate by 10%, it is **19.2978, 31.0476, 28.5681**.

Distribution



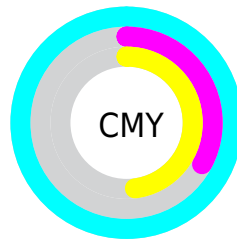
- Red (0%)
- Green (67%)
- Blue (52%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7965, 30.8193, 27.1483 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 18.7965, 30.8193, 27.1483 by changing the saturation by 10% instead.


 18.7965, 30.8193,
27.1483


 18.7965, 30.8193,
27.1483


238.2827,
305.7050, 302.1573


 11.6265, 20.4613,
17.4512


 40.9095, 60.9555,
56.1284


 6.5602, 12.7308,
10.3914


 56.5831, 81.5024,
76.2484


 3.2325, 7.2434,
5.5502


 75.8220, 106.2145,
100.6799

 1.2779, 3.6148,
2.5092

 98.9916, 135.4760,
129.8413

 0.1666, 1.4605,
0.8451

 126.4570,
169.6714, 164.1513

 0.0000, 0.2607,
0.0000

 158.5838,

 0.0000, 0.0000,

209.1851, 204.0282

0.0000

195.7373,
254.4015, 249.8907

■ 18.7965, 30.8193,
27.1483

■ 18.7965, 30.8193,
27.1483

■ 18.7970, 30.8203,
27.1480

■ 19.2978, 31.0476,
28.5681

■ 20.0083, 31.3819,
30.0472

■ 21.0094, 31.8648,
31.5904

■ 22.3377, 32.5153,
33.2001

■ 24.0244, 33.3495,
34.8781

■ 26.0969, 34.3814,
36.6263

■ 28.5802, 35.6238,
38.4463

■ 31.4968, 37.0885,
40.3395

■ 34.8677, 38.7862,
42.3075

Harmonies

Analogous

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



20.9713, 30.8193, 15.2655



18.7965, 30.8193, 27.1483



19.1105, 30.8193, 46.2386

Triad

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



18.7965, 30.8193, 27.1483



33.4385, 30.8193, 79.2584



38.1825, 30.8193, 13.4040

Complementary

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



18.7965, 30.8193, 27.1483



17.1454, 8.7985, 2.6295

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.



42.5700, 30.8193, 23.4360



18.7965, 30.8193, 27.1483



39.5674, 30.8193, 62.5840

Square

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



18.7965, 30.8193, 27.1483



26.9601, 30.8193, 81.4098



43.1108, 30.8193, 40.9023



31.7564, 30.8193, 9.4867

Rectangle

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



18.7965, 30.8193, 27.1483



20.7016, 30.8193, 60.8501



43.1108, 30.8193, 40.9023



39.9824, 30.8193, 15.9590

Sweetspot

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



18.7973, 30.8205, 27.1490



50.9254, 63.6686, 68.6743



15.4351, 29.5763, 4.8956



10.9339, 13.9866, 15.0142



82.5889, 86.8899, 94.6231



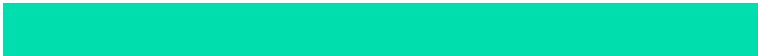
15.4596, 16.2647, 17.7123

Same Dimension

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



18.7973, 30.8205, 27.1490



33.5803, 55.1625, 48.1824



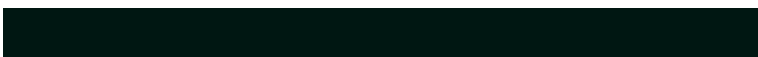
14.7362, 17.7105, 41.1713



8.1590, 9.0412, 9.8622



14.1900, 23.2413, 20.5719



0.4134, 0.6540, 0.6703

Inverse Universe

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



17.1454, 8.7985, 2.6295



30.6391, 15.7303, 4.3609



17.7571, 10.5819, 1.1070



8.0754, 8.0434, 8.7080



12.9413, 6.6391, 2.0705



0.3801, 0.1927, 0.1636

Previews

White Background



This preview shows how the XYZ color 18.7965, 30.8193, 27.1483 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 18.7965, 30.8193, 27.1483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

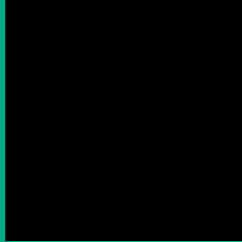
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.7965, 30.8193, 27.1483

Background



This preview shows how black text looks on a background with the XYZ color 18.7965, 30.8193, 27.1483.

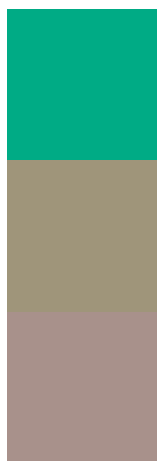


This preview shows how white text looks on a background with the XYZ color 18.7965, 30.8193,

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

18.7965, 30.8193, 27.1483

Protanopia

28.5584, 30.2710, 22.7500

Deuteranopia

30.9340, 30.4397, 28.6711



Tritanopia

22.9592, 30.8815, 46.8701

Trichromacy



Original Color

18.7965, 30.8193, 27.1483



Protanomaly

21.1897, 28.3870, 24.1011



Deuteranomaly

22.1344, 28.0431, 27.9132



Tritanomaly

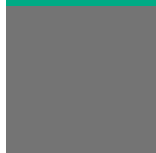
21.0000, 30.5861, 38.9793

Monochromacy



Original Color

18.7965, 30.8193, 27.1483



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.1411, 20.4693, 21.5653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7965, 30.8193, 27.1483 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, 171, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 133)  
}
```

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, 171, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 133) }
```

Border

The CSS property to change the border of an element to XYZ 18.7965, 30.8193, 27.1483 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, 171, 133) }
```


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

```
.border{ border-color:rgb(0, 171, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7965, 30.8193, 27.1483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 133) }
```

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

```
.background{ background-color: rgb(0, 171,  
133) }
```

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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