

Converting Colors

XYZ(11.9233, 19.8328, 16.3486)

Have a look what the booklet for
XYZ(11.9233, 19.8328, 16.3486)
contains.

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Color

**XYZ(11.8768, 19.7556,
16.2840)**

Conversions

Conversions Part 1

Format	Color
Hex	008C68
RGB	0, 140, 104
RGB Percent	0%, 55%, 41%
CMY	0.9999, 0.4510, 0.5922
CMYK	1.00, 0.00, 0.26, 0.45
HSL	165°, 100%, 27%
HSV	165°, 100%, 55%
XYZ	11.8768, 19.7556, 16.2840
YIQ	94.0360, -71.8840, -40.8760

Conversions

Conversions Part 2

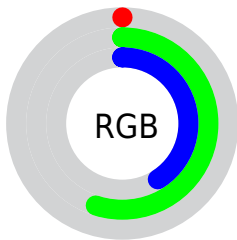
Format	Color
RYB	0, 80, 140
Decimal	35944
CIELab	51.56, -41.23, 10.32
CIELCh	52, 42.507, 165.947
Yxy	19.7556, 0.2479, 0.4123
Android (android.graphics.Color)	4278226024 (0xFF008C68)
YUV	94.0360, 4.9123, -82.4696
Hunter-Lab	44.4473, -30.0856, 9.3912

Details

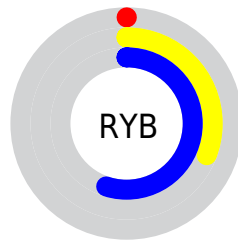
The XYZ color **11.8768, 19.7556, 16.2840** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.1344, 5.7034, 2.1843**, and the grayscale version is **10.6500, 11.2046, 12.2018**.

A 20% lighter version of the original color is **28.7755, 42.7891, 37.7528**, and **4.3109, 7.4402, 5.0798** is the 20% darker color. If you saturate the color by 10%, you get **11.8770, 19.7562, 16.2834**, and if you desaturate by 10%, it is **12.2454, 19.9245, 17.2770**.

Distribution



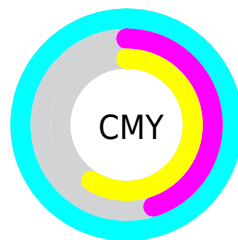
- Red (0%)
- Green (55%)
- Blue (41%)



- Red (0%)
- Yellow (31%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8768, 19.7556, 16.2840 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 11.8768, 19.7556, 16.2840 by changing the saturation by 10% instead.

■ 11.8768, 19.7556,
16.2840

■ 11.8768, 19.7556,
16.2840

197.3746,
250.5890, 242.9144

■ 6.7314, 12.2175,
9.5688

■ 28.8893, 43.0070,
37.8642

■ 3.3395, 6.8920,
5.0122

■ 41.4872, 59.4892,
53.5662

■ 1.3358, 3.3946,
2.1955

■ 57.3000, 79.7215,
73.1010

■ 0.2097, 1.3411,
0.6718

■ 76.6930, 104.0883,
96.8870

■ 0.0000, 0.1727,
0.0000

■ 100.0316,
132.9741, 125.3428

■ 0.0000, 0.0000,
0.0000

■ 127.6812,

166.7632, 158.8870

160.0070,
205.8400, 197.9380

■ 11.8768, 19.7556,
16.2840

■ 11.8768, 19.7556,
16.2840

■ 11.8770, 19.7562,
16.2834

■ 12.2454, 19.9245,
17.2770

■ 12.7381, 20.1560,
18.3165

■ 13.4170, 20.4826,
19.4066

■ 14.3042, 20.9156,
20.5486

■ 15.4184, 21.4647,
21.7440

■ 16.7764, 22.1385,
22.9939

■ 18.3932, 22.9448,
24.2996

■ 20.2827, 23.8907,
25.6621

■ 22.4578, 24.9828,
27.0824

Harmonies

Analogous

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



13.4659, 19.7556, 8.9397



11.8768, 19.7556, 16.2840



11.9287, 19.7556, 28.6507

Triad

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



11.8768, 19.7556, 16.2840



21.1280, 19.7556, 53.0270



25.0944, 19.7556, 8.6368

Complementary

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



11.8768, 19.7556, 16.2840



11.1344, 5.7034, 2.1843

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.



27.8448, 19.7556, 15.6676



11.8768, 19.7556, 16.2840



25.3282, 19.7556, 42.3907

Square

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



11.8768, 19.7556, 16.2840



16.8504, 19.7556, 53.3954



27.9363, 19.7556, 27.7504



20.8453, 19.7556, 5.7990

Rectangle

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



11.8768, 19.7556, 16.2840



12.8761, 19.7556, 38.5072



27.9363, 19.7556, 27.7504



26.2514, 19.7556, 10.4365

Sweetspot

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



11.8773, 19.7564, 16.2845



32.2296, 40.3528, 42.6891



10.1538, 19.1565, 3.1628



7.1718, 9.1711, 9.6369



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.8773, 19.7564, 16.2845



20.8713, 34.8030, 28.3512



10.0270, 12.4797, 26.6921



5.1188, 5.6670, 6.1467



10.5611, 17.5570, 14.5115



0.0761, 0.1190, 0.1277

Inverse Universe

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



11.1344, 5.7034, 2.1843



19.5721, 10.0315, 3.5478



11.3506, 6.6456, 0.6849



5.0822, 5.0683, 5.5216



9.9000, 5.0701, 1.9778



0.0710, 0.0358, 0.0408

Previews

White Background



This preview shows how the XYZ color 11.8768, 19.7556, 16.2840 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8768, 19.7556, 16.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

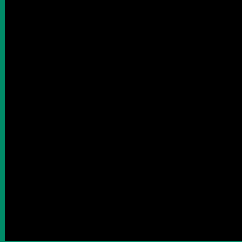
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.8768, 19.7556, 16.2840

Background



This preview shows how black text looks on a background with the XYZ color 11.8768, 19.7556, 16.2840.



This preview shows how white text looks on a background with the XYZ color 11.8768, 19.7556,

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

11.8768, 19.7556, 16.2840

Protanopia

18.2310, 19.4911, 13.6278

Deuteranopia

19.8862, 19.5500, 17.1934



Tritanopia

14.8570, 19.9302, 29.8519

Trichromacy



Original Color

11.8768, 19.7556, 16.2840

Protanomaly

13.6221, 18.4214, 14.3930

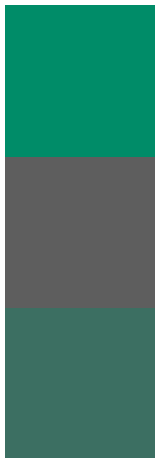
Deuteranomaly

14.1392, 18.0580, 16.6502

Tritanomaly

13.4816, 19.7642, 24.2234

Monochromacy



Original Color

11.8768, 19.7556, 16.2840

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.7525, 13.2114, 13.5913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8768, 19.7556, 16.2840 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, 140, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 104)  
}
```

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, 140, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.8768, 19.7556, 16.2840 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, 140, 104) }
```


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

```
.border{ border-color:rgb(0, 140, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8768, 19.7556, 16.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 104) }
```

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

```
.background{ background-color: rgb(0, 140,  
104) }
```

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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