

Converting Colors

XYZ(8.9734, 18.3262, 14.9884)

Have a look what the booklet for
XYZ(8.9734, 18.3262, 14.9884)
contains.

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Color

**XYZ(11.6302, 19.6570,
14.9856)**

Conversions

Conversions Part 1

Format	Color
Hex	008C63
RGB	0, 140, 99
RGB Percent	0%, 55%, 39%
CMY	1.0000, 0.4510, 0.6118
CMYK	1.00, 0.00, 0.29, 0.45
HSL	162°, 100%, 27%
HSV	162°, 100%, 55%
XYZ	11.6302, 19.6570, 14.9856
YIQ	93.4660, -70.2790, -42.4310

Conversions

Conversions Part 2

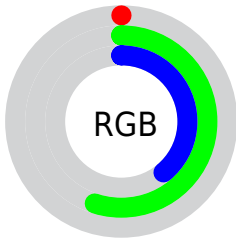
Format	Color
RYB	0, 82, 140
Decimal	35939
CIELab	51.45, -42.49, 13.03
CIELCh	51, 44.444, 162.955
Yxy	19.6570, 0.2513, 0.4248
Android (android.graphics.Color)	4278226019 (0xFF008C63)
YUV	93.4660, 2.7283, -81.9697
Hunter-Lab	44.3362, -30.7646, 10.9954

Details

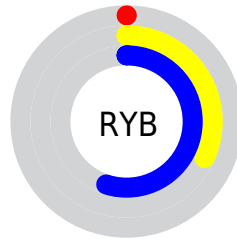
The XYZ color **11.6302, 19.6570, 14.9856** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.2161, 5.7360, 2.6147**, and the grayscale version is **10.5200, 11.0679, 12.0529**.

A 20% lighter version of the original color is **28.5874, 43.0712, 35.6610**, and **4.1922, 7.3927, 4.4548** is the 20% darker color. If you saturate the color by 10%, you get **11.6305, 19.6577, 14.9854**, and if you desaturate by 10%, it is **12.0130, 19.8316, 16.0535**.

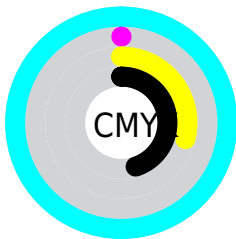
Distribution



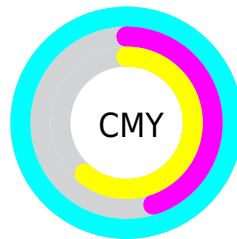
- Red (0%)
- Green (55%)
- Blue (39%)



- Red (0%)
- Yellow (32%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6302, 19.6570, 14.9856 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 11.6302, 19.6570, 14.9856 by changing the saturation by 10% instead.

■ 11.6302, 19.6570,
14.9856

■ 11.6302, 19.6570,
14.9856

195.7618,
250.0522, 234.9168

■ 6.5628, 12.1460,
8.6628

■ 28.4425, 42.8414,
35.5699

■ 3.2341, 6.8432,
4.4281

■ 40.9181, 59.2835,
50.6684

■ 1.2787, 3.3642,
1.8630

■ 56.5939, 79.4714,
69.5292

■ 0.1672, 1.3247,
0.4690

■ 75.8351, 103.7896,
92.5709

■ 0.0000, 0.1602,
0.0000

■ 99.0071, 132.6223,
120.2119

■ 0.0000, 0.0000,
0.0000

■ 126.4754,

166.3541, 152.8709

158.6052,
205.3692, 190.9664

■ 11.6302, 19.6570,
14.9856

■ 11.6302, 19.6570,
14.9856

■ 11.6305, 19.6577,
14.9854

■ 12.0130, 19.8316,
16.0535

■ 12.5220, 20.0696,
17.1796

■ 13.2196, 20.4036,
18.3679

■ 14.1276, 20.8450,
19.6203

■ 15.2650, 21.4033,
20.9383

■ 16.6485, 22.0873,
22.3234

■ 18.2933, 22.9048,
23.7769

■ 20.2133, 23.8629,
25.3002

■ 22.4213, 24.9681,
26.8946

Harmonies

Analogous

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



13.4317, 19.6570, 7.9981



11.6302, 19.6570, 14.9856



11.5152, 19.6570, 27.3893

Triad

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



11.6302, 19.6570, 14.9856



20.6709, 19.6570, 55.3317



25.6825, 19.6570, 8.6580

Complementary

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



11.6302, 19.6570, 14.9856



11.2161, 5.7360, 2.6147

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.



28.3398, 19.6570, 16.3596



11.6302, 19.6570, 14.9856



25.1516, 19.6570, 44.8560

Square

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



11.6302, 19.6570, 14.9856



16.2826, 19.6570, 54.4821



28.1313, 19.6570, 29.4324



21.3093, 19.6570, 5.4700

Rectangle

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



11.6302, 19.6570, 14.9856



12.3763, 19.6570, 37.7198



28.1313, 19.6570, 29.4324



26.8350, 19.6570, 10.6370

Sweetspot

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



11.6307, 19.6578, 14.9861



32.0515, 40.2816, 41.7511



10.3336, 19.2492, 3.1711



7.1264, 9.1530, 9.3979



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.



11.6307, 19.6578, 14.9861



20.4319, 34.6272, 26.0374



10.5285, 13.4827, 26.8593



5.1114, 5.6641, 6.1079



10.3427, 17.4697, 13.3612



0.0751, 0.1186, 0.1225

Inverse Universe

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



11.2161, 5.7360, 2.6147



19.7110, 10.0871, 4.2793



11.2311, 6.4065, 0.6449



5.0892, 5.0711, 5.5583



9.9733, 5.0994, 2.3638



0.0720, 0.0362, 0.0461

Previews

White Background



This preview shows how the XYZ color 11.6302, 19.6570, 14.9856 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 11.6302, 19.6570, 14.9856 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 11.6302, 19.6570, 14.9856

Background



This preview shows how black text looks on a background with the XYZ color 11.6302, 19.6570, 14.9856.



This preview shows how white text looks on a background with the XYZ color 11.6302, 19.6570,

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

11.6302, 19.6570, 14.9856

Protanopia

18.2079, 19.4997, 12.7017

Deuteranopia

19.6752, 19.2975, 15.7845



Tritanopia

14.8082, 19.6989, 29.8098

Trichromacy



Original Color

11.6302, 19.6570, 14.9856

Protanomaly

13.4379, 18.3477, 13.4229

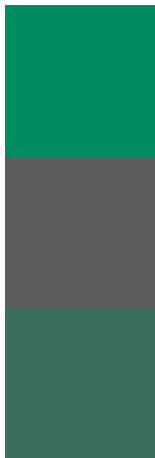
Deuteranomaly

13.8517, 17.7504, 15.2665

Tritanomaly

13.2359, 19.4429, 23.4773

Monochromacy



Original Color

11.6302, 19.6570, 14.9856

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.4451, 12.9079, 12.8201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6302, 19.6570, 14.9856 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 99) }
```

Border

The CSS property to change the border of an element to XYZ 11.6302, 19.6570, 14.9856 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, 99) }
```


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

```
.border{ border-color:rgb(0, 140, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6302, 19.6570, 14.9856 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, 99) }
```

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

```
.background{ background-color: rgb(0, 140,  
99) }
```

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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