

Converting Colors

XYZ(4.0444, 14.9726, 16.2928)

Have a look what the booklet for
XYZ(4.0444, 14.9726, 16.2928)
contains.

XYZ(11.5472, 18.9319, 16.6813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.5472, 18.9319,
16.6813)**

Conversions

Conversions Part 1

Format	Color
Hex	00896A
RGB	0, 137, 106
RGB Percent	0%, 54%, 42%
CMY	0.9999, 0.4627, 0.5843
CMYK	1.00, 0.00, 0.23, 0.46
HSL	166°, 100%, 27%
HSV	166°, 100%, 54%
XYZ	11.5472, 18.9319, 16.6813
YIQ	92.5030, -71.7010, -38.6850

Conversions

Conversions Part 2

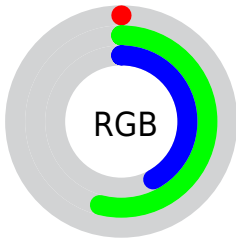
Format	Color
RYB	0, 77, 137
Decimal	35178
CIELab	50.61, -39.46, 7.82
CIELCh	51, 40.232, 168.787
Yxy	18.9319, 0.2448, 0.4014
Android (android.graphics.Color)	4278225258 (0xFF00896A)
YUV	92.5030, 6.6540, -81.1251
Hunter-Lab	43.5108, -28.7723, 7.7268

Details

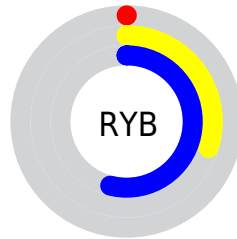
The XYZ color **11.5472, 18.9319, 16.6813** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.5646, 5.4179, 1.7863**, and the grayscale version is **10.2871, 10.8228, 11.7860**.

A 20% lighter version of the original color is **28.1963, 41.4898, 38.4205**, and **4.1172, 6.9713, 5.2663** is the 20% darker color. If you saturate the color by 10%, you get **11.5474, 18.9325, 16.6808**, and if you desaturate by 10%, it is **11.8885, 19.0893, 17.5547**.

Distribution



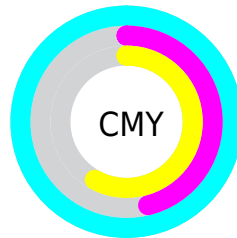
- Red (0%)
- Green (54%)
- Blue (42%)



- Red (0%)
- Yellow (30%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5472, 18.9319, 16.6813 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 11.5472, 18.9319, 16.6813 by changing the saturation by 10% instead.

■ 11.5472, 18.9319,
16.6813

■ 11.5472, 18.9319,
16.6813

195.2159,
246.0726, 245.3105

■ 6.5062, 11.6211,
9.8480

■ 28.2918, 41.6190,
38.5601

■ 3.1988, 6.4862,
5.1940

■ 40.7260, 57.7641,
54.4427

■ 1.2597, 3.1429,
2.3008

■ 56.3553, 77.6227,
74.1788

■ 0.1528, 1.2068,
0.7317

■ 75.5451, 101.5792,
98.1869

■ 0.0000, 0.0672,
0.0000

■ 98.6607, 130.0181,
126.8856

■ 0.0000, 0.0000,
0.0000

■ 126.0674,

163.3236, 160.6934

158.1307,
201.8803, 200.0288

■ 11.5472, 18.9319,
16.6813

■ 11.5472, 18.9319,
16.6813

■ 11.5474, 18.9325,
16.6808

■ 11.8885, 19.0893,
17.5547

■ 12.3449, 19.3050,
18.4639

■ 12.9770, 19.6105,
19.4123

■ 13.8054, 20.0165,
20.4013

■ 14.8481, 20.5323,
21.4320

■ 16.1208, 21.1660,
22.5054

■ 17.6378, 21.9249,
23.6224

■ 19.4122, 22.8157,
24.7841

■ 21.4561, 23.8448,
25.9912

Harmonies

Analogous

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



12.8824, 18.9319, 9.3809



11.5472, 18.9319, 16.6813



11.7407, 18.9319, 28.4075

Triad

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



11.5472, 18.9319, 16.6813



20.5420, 18.9319, 48.6784



23.4525, 18.9319, 8.2339

Complementary

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



11.5472, 18.9319, 16.6813



10.5646, 5.4179, 1.7863

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.



26.1479, 18.9319, 14.3941



11.5472, 18.9319, 16.6813



24.3058, 18.9319, 38.4356

Square

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



11.5472, 18.9319, 16.6813



16.5629, 18.9319, 50.0038



26.4811, 18.9319, 25.1199



19.5056, 18.9319, 5.8288

Rectangle

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



11.5472, 18.9319, 16.6813



12.7184, 18.9319, 37.3810



26.4811, 18.9319, 25.1199



24.5582, 18.9319, 9.8028

Sweetspot

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



11.5477, 18.9326, 16.6817



31.3882, 39.1635, 42.1651



9.5410, 18.1987, 3.0103



6.8096, 8.6687, 9.2927



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.5477, 18.9326, 16.6817



20.6151, 33.8781, 29.5371



9.1183, 11.0115, 25.3125



5.1252, 5.6696, 6.1804



10.7606, 17.6368, 15.5620



0.0770, 0.1194, 0.1323

Inverse Universe

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



10.5646, 5.4179, 1.7863



18.8648, 9.6801, 2.9171



10.9644, 6.6135, 0.6991



5.0762, 5.0659, 5.4899



9.8443, 5.0478, 1.6843



0.0702, 0.0354, 0.0363

Previews

White Background



This preview shows how the XYZ color 11.5472, 18.9319, 16.6813 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 11.5472, 18.9319, 16.6813 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 11.5472, 18.9319, 16.6813

Background



This preview shows how black text looks on a background with the XYZ color 11.5472, 18.9319, 16.6813.



This preview shows how white text looks on a background with the XYZ color 11.5472, 18.9319,

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

11.5472, 18.9319, 16.6813

Protanopia

17.6265, 18.8080, 14.0106

Deuteranopia

19.1063, 18.7894, 17.6586



Tritanopia

14.2055, 18.9993, 28.9051

Trichromacy



Original Color

11.5472, 18.9319, 16.6813



Protanomaly

13.1544, 17.5911, 14.7587



Deuteranomaly

13.8057, 17.4979, 17.1178



Tritanomaly

13.0064, 18.8949, 24.0807

Monochromacy



Original Color

11.5472, 18.9319, 16.6813



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

9.4769, 12.7489, 13.5166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5472, 18.9319, 16.6813 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, 137, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 106)  
}
```

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, 137, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 106) }
```

Border

The CSS property to change the border of an element to XYZ 11.5472, 18.9319, 16.6813 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, 137, 106) }
```


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

```
.border{ border-color:rgb(0, 137, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5472, 18.9319, 16.6813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 106) }
```

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

```
.background{ background-color: rgb(0, 137,  
106) }
```

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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