

Converting Colors

XYZ(11.9766, 19.8541, 16.6293)

Have a look what the booklet for
XYZ(11.9766, 19.8541, 16.6293)
contains.

XYZ(11.9279, 19.7761, 16.5531)	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(11.9279, 19.7761,
16.5531)**

Conversions

Conversions Part 1

Format	Color
Hex	008C69
RGB	0, 140, 105
RGB Percent	0%, 55%, 41%
CMY	1.0000, 0.4510, 0.5882
CMYK	1.00, 0.00, 0.25, 0.45
HSL	165°, 100%, 27%
HSV	165°, 100%, 55%
XYZ	11.9279, 19.7761, 16.5531
YIQ	94.1500, -72.2050, -40.5650

Conversions

Conversions Part 2

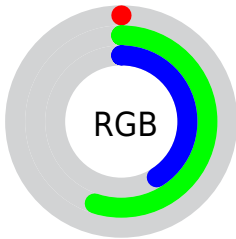
Format	Color
RYB	0, 80, 140
Decimal	35945
CIELab	51.58, -40.98, 9.78
CIELCh	52, 42.128, 166.576
Yxy	19.7761, 0.2472, 0.4098
Android (android.graphics.Color)	4278226025 (0xFF008C69)
YUV	94.1500, 5.3491, -82.5695
Hunter-Lab	44.4703, -29.9455, 9.0598

Details

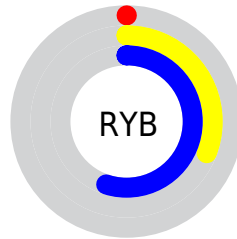
The XYZ color **11.9279, 19.7761, 16.5531** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.1193, 5.6973, 2.1047**, and the grayscale version is **10.6759, 11.2318, 12.2315**.

A 20% lighter version of the original color is **28.8598, 42.8229, 38.1971**, and **4.3361, 7.4502, 5.2125** is the 20% darker color. If you saturate the color by 10%, you get **11.9281, 19.7767, 16.5528**, and if you desaturate by 10%, it is **12.2933, 19.9437, 17.5293**.

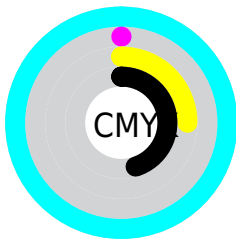
Distribution



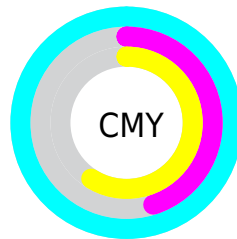
- Red (0%)
- Green (55%)
- Blue (41%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (45%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9279, 19.7761, 16.5531 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 11.9279, 19.7761, 16.5531 by changing the saturation by 10% instead.

■ 11.9279, 19.7761,
16.5531

■ 11.9279, 19.7761,
16.5531

197.7071,
250.7004, 244.5398

■ 6.7664, 12.2324,
9.7578

■ 28.9817, 43.0415,
38.3358

■ 3.3615, 6.9022,
5.1352

■ 41.6048, 59.5319,
54.1604

■ 1.3477, 3.4010,
2.2667

■ 57.4458, 79.7735,
73.8317

■ 0.2185, 1.3445,
0.7125

■ 76.8701, 104.1504,
97.7685

■ 0.0000, 0.1753,
0.0000

■ 100.2430,
133.0472, 126.3891

■ 0.0000, 0.0000,
0.0000

■ 127.9299,

166.8482, 160.1122

160.2961,
205.9378, 199.3562

■ 11.9279, 19.7761,
16.5531

■ 11.9279, 19.7761,
16.5531

■ 11.9281, 19.7767,
16.5528

■ 12.2933, 19.9437,
17.5293

■ 12.7824, 20.1738,
18.5501

■ 13.4573, 20.4988,
19.6190

■ 14.3400, 20.9299,
20.7378

■ 15.4493, 21.4771,
21.9075

■ 16.8019, 22.1487,
23.1295

■ 18.4129, 22.9527,
24.4048

■ 20.2962, 23.8961,
25.7346

■ 22.4646, 24.9855,
27.1198

Harmonies

Analogous

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



13.4741, 19.7761, 9.1379



11.9279, 19.7761, 16.5531



12.0138, 19.7761, 28.9066

Triad

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



11.9279, 19.7761, 16.5531



21.2204, 19.7761, 52.5701



24.9780, 19.7761, 8.6345

Complementary

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



11.9279, 19.7761, 16.5531



11.1193, 5.6973, 2.1047

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.



27.7461, 19.7761, 15.5335



11.9279, 19.7761, 16.5531



25.3633, 19.7761, 41.9074

Square

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



11.9279, 19.7761, 16.5531



16.9662, 19.7761, 53.1753



27.8969, 19.7761, 27.4227



20.7541, 19.7761, 5.8681

Rectangle

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



11.9279, 19.7761, 16.5531



12.9787, 19.7761, 38.6635



27.8969, 19.7761, 27.4227



26.1356, 19.7761, 10.3987

Sweetspot

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



11.9284, 19.7769, 16.5536



32.2656, 40.3672, 42.8785



10.1538, 19.1566, 3.1628



7.1810, 9.1748, 9.6852



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.



11.9284, 19.7769, 16.5536



20.9626, 34.8395, 28.8317



10.0269, 12.4796, 26.6922



5.1203, 5.6676, 6.1545



10.6064, 17.5752, 14.7500



0.0763, 0.1191, 0.1288

Inverse Universe

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



11.1193, 5.6973, 2.1047



19.5466, 10.0213, 3.4137



11.3506, 6.6455, 0.6848



5.0808, 5.0678, 5.5142



9.8865, 5.0647, 1.9066



0.0708, 0.0357, 0.0398

Previews

White Background



This preview shows how the XYZ color 11.9279, 19.7761, 16.5531 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 11.9279, 19.7761, 16.5531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

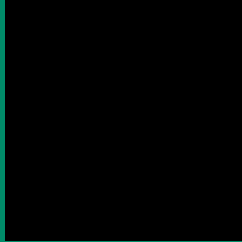
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.9279, 19.7761, 16.5531

Background



This preview shows how black text looks on a background with the XYZ color 11.9279, 19.7761, 16.5531.



This preview shows how white text looks on a background with the XYZ color 11.9279, 19.7761,

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

11.9279, 19.7761, 16.5531

Protanopia

18.2768, 19.5094, 13.8687

Deuteranopia

19.9404, 19.5716, 17.4786



Tritanopia

14.9345, 19.9612, 30.2599

Trichromacy



Original Color

11.9279, 19.7761, 16.5531



Protanomaly

13.6697, 18.4404, 14.6433



Deuteranomaly

14.1921, 18.0791, 16.9290



Tritanomaly

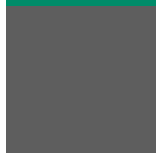
13.5491, 19.7912, 24.5787

Monochromacy



Original Color

11.9279, 19.7761, 16.5531



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 11.9279, 19.7761, 16.5531 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 105) }
```

Border

The CSS property to change the border of an element to XYZ 11.9279, 19.7761, 16.5531 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, 105) }
```


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

```
.border{ border-color:rgb(0, 140, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9279, 19.7761, 16.5531 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, 105) }
```

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

```
.background{ background-color: rgb(0, 140,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor