

Converting Colors

XYZ(4.6837, 16.3281, 6.1129)

Have a look what the booklet for
XYZ(4.6837, 16.3281, 6.1129)
contains.

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Color

**XYZ(9.9979, 19.0041,
6.3900)**

Conversions

Conversions Part 1

Format	Color
Hex	008C34
RGB	0, 140, 52
RGB Percent	0%, 55%, 20%
CMY	1.0000, 0.4510, 0.7961
CMYK	1.00, 0.00, 0.63, 0.45
HSL	142°, 100%, 27%
HSV	142°, 100%, 55%
XYZ	9.9979, 19.0041, 6.3900
YIQ	88.1080, -55.1920, -57.0480

Conversions

Conversions Part 2

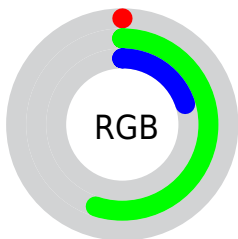
Format	Color
RYB	0, 102, 140
Decimal	35892
CIELab	50.69, -51.44, 37.26
CIELCh	51, 63.519, 144.079
Yxy	19.0041, 0.2825, 0.5370
Android (android.graphics.Color)	4278225972 (0xFF008C34)
YUV	88.1080, -17.8012, -77.2707
Hunter-Lab	43.5937, -35.3513, 21.8248

Details

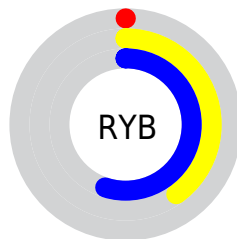
The XYZ color **9.9979, 19.0041, 6.3900** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **12.5772, 6.2803, 9.7822**, and the grayscale version is **9.3461, 9.8329, 10.7080**.

A 20% lighter version of the original color is **25.4807, 41.8285, 19.3011**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.9983, 19.0049, 6.3903**, and if you desaturate by 10%, it is **10.3966, 19.1851, 7.5422**.

Distribution



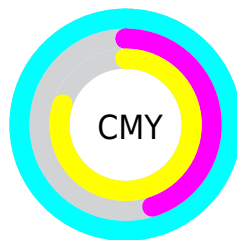
- Red (0%)
- Green (55%)
- Blue (20%)



- Red (0%)
- Yellow (40%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9979, 19.0041, 6.3900 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 9.9979, 19.0041, 6.3900 by changing the saturation by 10% instead.


 9.9979, 19.0041,
6.3900


 9.9979, 19.0041,
6.3900


184.7110,
246.4714, 171.9281


 5.4598, 11.6732,
3.0110


 25.4413, 41.7410,
19.2266


 2.5570, 6.5216,
1.1003


 37.0773, 57.9159,
29.5214


 0.9241, 3.1648,
0.0000

 51.8099, 77.8075,
42.9585

 0.0000, 1.2183,
0.0000

 70.0046, 101.8004,
59.9565

 0.0000, 0.0766,
0.0000

 92.0268, 130.2788,
80.9339

 0.0000, 0.0000,
0.0000

 118.2416,

163.6271, 106.3093

149.0146,
202.2299, 136.5012

■ 9.9979, 19.0041,
6.3900

■ 9.9979, 19.0041,
6.3900

■ 9.9983, 19.0049,
6.3903

■ 10.3966, 19.1851,
7.5422

■ 10.9504, 19.4410,
8.9041

■ 11.7230, 19.8051,
10.4885

■ 12.7381, 20.2892,
12.3052

■ 14.0159, 20.9037,
14.3631

■ 15.5745, 21.6577,
16.6711

■ 17.4305, 22.5596,
19.2371

■ 19.5989, 23.6170,
22.0692

■ 22.0937, 24.8370,
25.1746

Harmonies

Analogous

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



13.6048, 19.0041, 2.5198



9.9979, 19.0041, 6.3900



8.5789, 19.0041, 17.3527

Triad

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



9.9979, 19.0041, 6.3900



16.8557, 19.0041, 76.9743



31.3480, 19.0041, 9.6177

Complementary

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



9.9979, 19.0041, 6.3900



12.5772, 6.2803, 9.7822

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.



32.7818, 19.0041, 24.4349



9.9979, 19.0041, 6.3900



23.4017, 19.0041, 70.4434

Square

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



9.9979, 19.0041, 6.3900



11.9096, 19.0041, 62.7380



29.5980, 19.0041, 48.0337



26.0372, 19.0041, 3.4926

Rectangle

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



9.9979, 19.0041, 6.3900



8.7603, 19.0041, 30.2053



29.5980, 19.0041, 48.0337



32.3437, 19.0041, 13.4211

Sweetspot

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



9.9984, 19.0049, 6.3904



30.5064, 39.6635, 33.6145



13.4666, 20.8644, 3.3175



6.7370, 8.9972, 7.3474



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.



9.9984, 19.0049, 6.3904



17.5546, 33.4763, 10.8856



12.8503, 20.1457, 21.4085



5.0437, 5.6370, 5.7510



8.8926, 16.8896, 5.7250



0.0657, 0.1149, 0.0731

Inverse Universe

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



12.5772, 6.2803, 9.7822



22.0938, 11.0402, 16.8271



10.9304, 5.6216, 1.1103



5.1564, 5.0980, 5.9119



11.1846, 5.5840, 8.7425



0.0814, 0.0399, 0.0955

Previews

White Background



This preview shows how the XYZ color 9.9979, 19.0041, 6.3900 looks on a white background.

Color Contrast Check

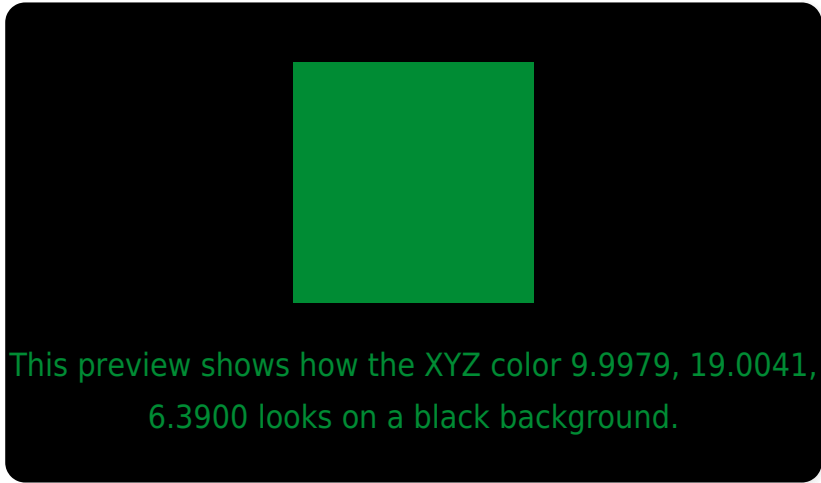
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

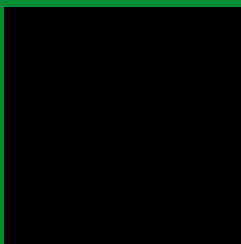
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

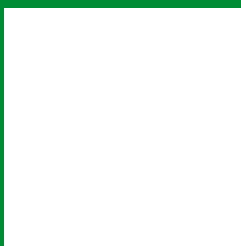
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9979, 19.0041, 6.3900

Background



This preview shows how black text looks on a background with the XYZ color 9.9979, 19.0041, 6.3900.



This preview shows how white text looks on a background with the XYZ color 9.9979, 19.0041,

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

9.9979, 19.0041, 6.3900

Protanopia

17.0411, 18.6985, 5.2958

Deuteranopia

19.0457, 18.6568, 6.8723



Tritanopia

14.6297, 19.0263, 28.4926

Trichromacy



Original Color

9.9979, 19.0041, 6.3900



Protanomaly

11.8692, 17.3234, 5.5145



Deuteranomaly

12.4376, 16.8410, 6.4660



Tritanomaly

12.0130, 18.5294, 17.4114

Monochromacy



Original Color

9.9979, 19.0041, 6.3900



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.1586, 11.8641, 8.5166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9979, 19.0041, 6.3900 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 52) }
```

Border

The CSS property to change the border of an element to XYZ 9.9979, 19.0041, 6.3900 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, 52) }
```


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

```
.border{ border-color:rgb(0, 140, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9979, 19.0041, 6.3900 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, 52) }
```

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

```
.background{ background-color: rgb(0, 140,  
52) }
```

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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