

Converting Colors

XYZ(5.9031, 16.2768, 0.9995)

Have a look what the booklet for
XYZ(5.9031, 16.2768, 0.9995)
contains.

XYZ(8.9457, 17.8913, 2.9819)	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(8.9457, 17.8913,
2.9819)**

Conversions

Conversions Part 1

Format	Color
Hex	008900
RGB	0, 137, 0
RGB Percent	0%, 54%, 0%
CMY	1.0000, 0.4627, 1.0000
CMYK	1.00, 0.00, 1.00, 0.46
HSL	120°, 100%, 27%
HSV	120°, 100%, 54%
XYZ	8.9457, 17.8913, 2.9819
YIQ	80.4190, -37.6750, -71.6510

Conversions

Conversions Part 2

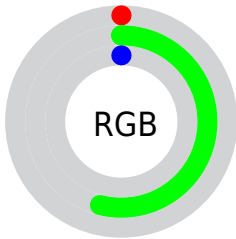
Format	Color
RYB	0, 137, 137
Decimal	35072
CIELab	49.36, -54.30, 52.41
CIELCh	49, 75.471, 136.016
Yxy	17.8913, 0.3000, 0.6000
Android (android.graphics.Color)	4278225152 (0xFF008900)
YUV	80.4190, -39.6466, -70.5275
Hunter-Lab	42.2981, -36.2704, 25.4289

Details

The XYZ color **8.9457, 17.8913, 2.9819** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.8321, 7.1247, 24.2592**, and the grayscale version is **7.7882, 8.1938, 8.9231**.

A 20% lighter version of the original color is **23.5793, 40.0239, 11.6369**, and **3.2485, 6.4970, 1.0828** is the 20% darker color. If you saturate the color by 10%, you get **8.9460, 17.8920, 2.9822**, and if you desaturate by 10%, it is **9.1999, 18.0139, 3.3974**.

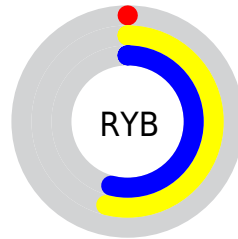
Distribution



Red (0%)

Green (54%)

Blue (0%)



Red (0%)

Yellow (54%)

Blue (54%)

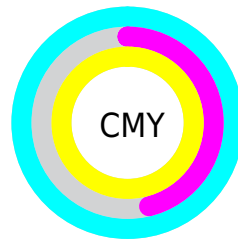


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (100%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.9457, 17.8913, 2.9819 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 8.9457, 17.8913, 2.9819 by changing the saturation by 10% instead.


 8.9457, 17.8913,
2.9819


 8.9457, 17.8913,
2.9819


177.1879,
240.2576, 136.1298


 4.7626, 10.8720,
1.0854


 23.4607, 39.8520,
11.5837


 2.1420, 5.9808,
0.0000

 34.5233, 55.5622,
19.1262


 0.7119, 2.8334,
0.0000

 48.6098, 74.9381,
29.3876

 0.0000, 1.0454,
0.0000


 66.0855, 98.3642,
42.7867


 0.0000, 0.0000,
0.0000


 87.3158, 126.2248,
59.7419


 112.6661,


158.9043, 80.6718


 142.5017,
196.7871, 105.9949


 8.9457, 17.8913,
2.9819


 8.9457, 17.8913,
2.9819


 8.9460, 17.8920,
2.9822

 9.1999, 18.0139,
3.3974

 9.6114, 18.2116,
4.0706

 10.2668, 18.5264,
5.1427

 11.1960, 18.9728,
6.6625

 12.4243, 19.5628,
8.6718

■ 13.9746, 20.3075,
11.2075

■ 15.8672, 21.2166,
14.3031

■ 18.1208, 22.2991,
17.9893

■ 20.7528, 23.5634,
22.2944

Harmonies

Analogous

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



13.5065, 17.8913, 0.8787



8.9457, 17.8913, 2.9819



6.8927, 17.8913, 11.4708

Triad

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



8.9457, 17.8913, 2.9819



13.9119, 17.8913, 87.4834



33.8127, 17.8913, 10.5547

Complementary

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



8.9457, 17.8913, 2.9819



14.8321, 7.1247, 24.2592

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.



34.0114, 17.8913, 30.5515



8.9457, 17.8913, 2.9819



21.0611, 17.8913, 86.5094

Square

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



8.9457, 17.8913, 2.9819



9.1708, 17.8913, 63.3904



28.8551, 17.8913, 61.2600



28.3704, 17.8913, 2.7098

Rectangle

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



8.9457, 17.8913, 2.9819



6.7137, 17.8913, 23.8769



28.8551, 17.8913, 61.2600



34.5376, 17.8913, 15.6600

Sweetspot

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



8.9461, 17.8920, 2.9823



28.1688, 37.8758, 25.2121



19.2629, 23.2106, 3.4650



6.0290, 8.3564, 5.1820



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.



8.9461, 17.8920, 2.9823



16.0201, 32.0401, 5.3402



10.0049, 18.3156, 8.5577



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7778



0.0554, 0.1107, 0.0185

Inverse Universe

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



14.8321, 7.1247, 24.2592



26.5605, 12.7584, 43.4422



11.3758, 5.7422, 6.0586



5.2339, 5.1290, 6.3199



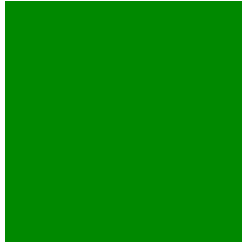
13.8155, 6.6363, 22.5966



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 8.9457, 17.8913, 2.9819 looks on a white background.

Color Contrast Check

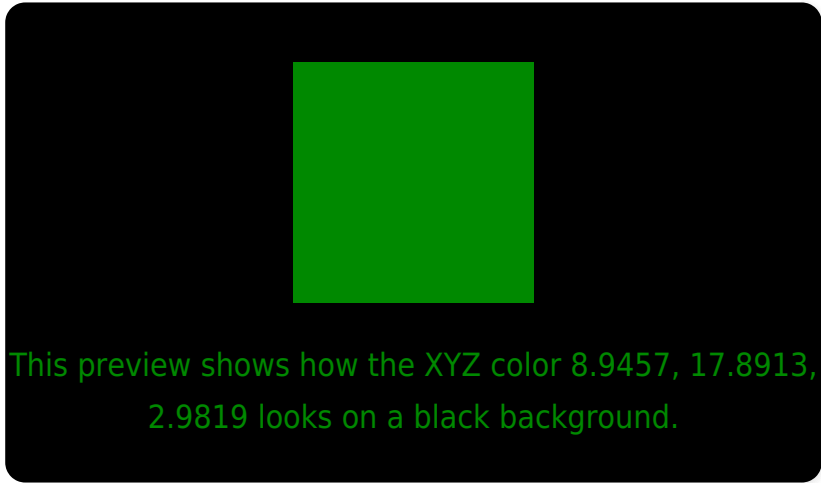
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 8.9457, 17.8913, 2.9819

Background



This preview shows how black text looks on a background with the XYZ color 8.9457, 17.8913, 2.9819.



This preview shows how white text looks on a background with the XYZ color 8.9457, 17.8913,

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

8.9457, 17.8913, 2.9819

Protanopia

15.8770, 17.6281, 2.5658

Deuteranopia

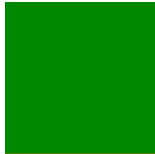
17.9514, 17.6657, 3.6920



Tritanopia

13.8642, 17.8836, 26.7659

Trichromacy



Original Color

8.9457, 17.8913, 2.9819



Protanomaly

10.8638, 16.3001, 2.5737



Deuteranomaly

11.4501, 15.8596, 3.0738



Tritanomaly

10.6053, 17.3122, 12.0152

Monochromacy



Original Color

8.9457, 17.8913, 2.9819



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

6.6165, 10.2502, 4.7617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.9457, 17.8913, 2.9819 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 8.9457, 17.8913, 2.9819 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, 0) }
```


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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 8.9457, 17.8913, 2.9819 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, 0) }
```

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

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

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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