

Converting Colors

XYZ(8.8223, 17.6446, 2.9408)

Have a look what the booklet for
XYZ(8.8223, 17.6446, 2.9408)
contains.

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Color

**XYZ(8.8042, 17.6083,
2.9347)**

Conversions

Conversions Part 1

Format	Color
Hex	008800
RGB	0, 136, 0
RGB Percent	0%, 53%, 0%
CMY	1.0000, 0.4667, 1.0000
CMYK	1.00, 0.00, 1.00, 0.47
HSL	120°, 100%, 27%
HSV	120°, 100%, 53%
XYZ	8.8042, 17.6083, 2.9347
YIQ	79.8320, -37.4000, -71.1280

Conversions

Conversions Part 2

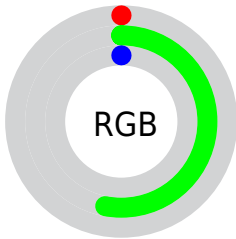
Format	Color
RYB	0, 136, 136
Decimal	34816
CIELab	49.02, -54.02, 52.13
CIELCh	49, 75.071, 136.016
Yxy	17.6083, 0.3000, 0.6000
Android (android.graphics.Color)	4278224896 (0xFF008800)
YUV	79.8320, -39.3572, -70.0127
Hunter-Lab	41.9622, -35.9824, 25.2270

Details

The XYZ color **8.8042, 17.6083, 2.9347** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.5976, 7.0121, 23.8762**, and the grayscale version is **7.6725, 8.0720, 8.7905**.

A 20% lighter version of the original color is **23.2703, 39.5398, 11.5597**, and **3.1703, 6.3406, 1.0568** is the 20% darker color. If you saturate the color by 10%, you get **8.8045, 17.6090, 2.9349**, and if you desaturate by 10%, it is **9.0562, 17.7299, 3.3466**.

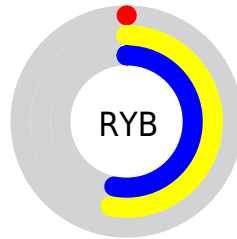
Distribution



Red (0%)

Green (53%)

Blue (0%)



Red (0%)

Yellow (53%)

Blue (53%)

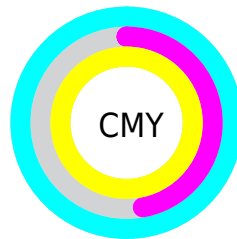


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (100%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.8042, 17.6083, 2.9347 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 8.8042, 17.6083, 2.9347 by changing the saturation by 10% instead.

■ 8.8042, 17.6083,
2.9347

■ 8.8042, 17.6083,
2.9347

176.1486,
238.6539, 135.5245

■ 4.6698, 10.6691,
1.0614

■ 23.1912, 39.3687,
11.4669

■ 2.0876, 5.8448,
0.0000

■ 34.1745, 54.9588,
18.9628

■ 0.6825, 2.7509,
0.0000

■ 48.1714, 74.2013,
29.1701

■ 0.0000, 1.0031,
0.0000


■ 65.5474, 97.4806,
42.5071


■ 0.0000, 0.0000,
0.0000


■ 86.6678, 125.1811,
59.3926


■ 111.8978,


157.6872, 80.2449


 141.6030,
195.3833, 105.4827


 8.8042, 17.6083,
2.9347


 8.8042, 17.6083,
2.9347


 8.8045, 17.6090,
2.9349

 9.0562, 17.7299,
3.3466

 9.4622, 17.9249,
4.0108

 10.1081, 18.2352,
5.0674

 11.0232, 18.6747,
6.5642

 12.2325, 19.2556,
8.5422

■ 13.7582, 19.9885,
11.0378

■ 15.6204, 20.8830,
14.0837

■ 17.8375, 21.9480,
17.7102

■ 20.4266, 23.1917,
21.9450

Harmonies

Analogous

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



13.2929, 17.6083, 0.8638



8.8042, 17.6083, 2.9347



6.7837, 17.6083, 11.2893

Triad

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



8.8042, 17.6083, 2.9347



13.6918, 17.6083, 86.0998



33.2780, 17.6083, 10.3878

Complementary

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



8.8042, 17.6083, 2.9347



14.5976, 7.0121, 23.8762

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.



33.4735, 17.6083, 30.0684



8.8042, 17.6083, 2.9347



20.7279, 17.6083, 85.1413

Square

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



8.8042, 17.6083, 2.9347



9.0257, 17.6083, 62.3877



28.3986, 17.6083, 60.2913



27.9217, 17.6083, 2.6670

Rectangle

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



8.8042, 17.6083, 2.9347



6.6075, 17.6083, 23.4992



28.3986, 17.6083, 60.2913



33.9913, 17.6083, 15.4124

Sweetspot

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



8.8046, 17.6090, 2.9351



27.2931, 36.6884, 24.4366



18.9582, 22.8434, 3.4102



6.0290, 8.3564, 5.1819



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.



8.8046, 17.6090, 2.9351



15.5156, 31.0311, 5.1720



9.8481, 18.0264, 8.4299



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7777



0.0554, 0.1107, 0.0185

Inverse Universe

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



14.5976, 7.0121, 23.8762



25.7243, 12.3567, 42.0752



11.1973, 5.6520, 5.9703



5.2339, 5.1290, 6.3200



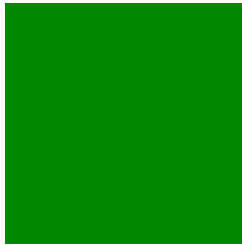
13.8156, 6.6364, 22.5972



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 8.8042, 17.6083, 2.9347 looks on a white background.

Color Contrast Check

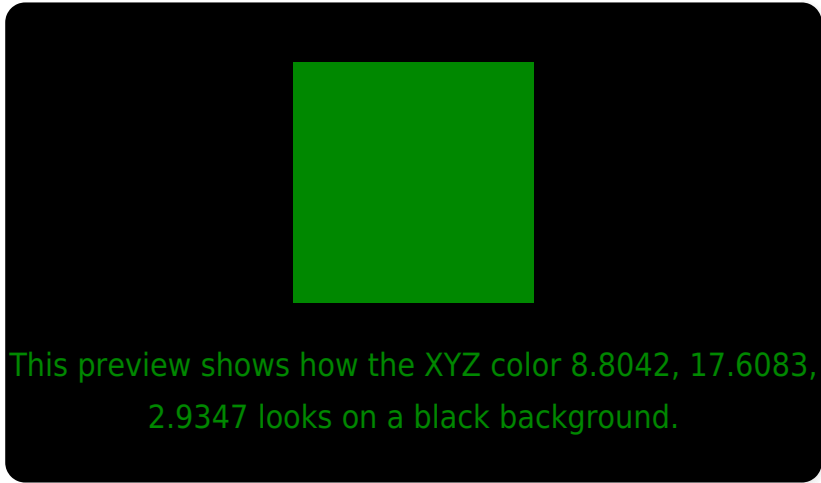
Large Text (above 18pt) WCAG AA ✓ Pass

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

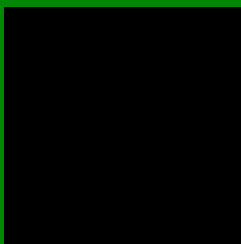
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

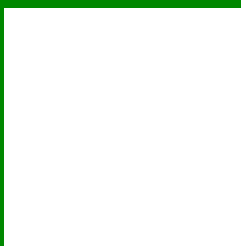
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.8042, 17.6083, 2.9347

Background



This preview shows how black text looks on a background with the XYZ color 8.8042, 17.6083, 2.9347.



This preview shows how white text looks on a background with the XYZ color 8.8042, 17.6083,

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

8.8042, 17.6083, 2.9347

Protanopia

15.6055, 17.3161, 2.5198

Deuteranopia

17.6643, 17.3566, 3.6474



Tritanopia

13.6636, 17.5977, 26.3435

Trichromacy



Original Color

8.8042, 17.6083, 2.9347



Protanomaly

10.6502, 16.0049, 2.5279



Deuteranomaly

11.2286, 15.5678, 3.0292



Tritanomaly

10.4305, 17.0285, 11.7539

Monochromacy



Original Color

8.8042, 17.6083, 2.9347



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

6.5200, 10.0572, 4.7296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8042, 17.6083, 2.9347 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, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.8042, 17.6083, 2.9347 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, 136, 0) }
```


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

```
.border{ border-color:rgb(0, 136, 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, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 136, 0); box-shadow:4px  
4px 4px 4px rgb(0, 136, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 8.8042, 17.6083, 2.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 0) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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