

Converting Colors

XYZ(8.7224, 16.1365, 6.9407)

Have a look what the booklet for
XYZ(8.7224, 16.1365, 6.9407)
contains.

XYZ(8.6659, 16.0268, 6.9117)	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(8.6659, 16.0268,
6.9117)**

Conversions

Conversions Part 1

Format	Color
Hex	00813C
RGB	0, 129, 60
RGB Percent	0%, 51%, 24%
CMY	1.0000, 0.4941, 0.7647
CMYK	1.00, 0.00, 0.53, 0.49
HSL	148°, 100%, 25%
HSV	148°, 100%, 51%
XYZ	8.6659, 16.0268, 6.9117
YIQ	82.5630, -54.7350, -48.8070

Conversions

Conversions Part 2

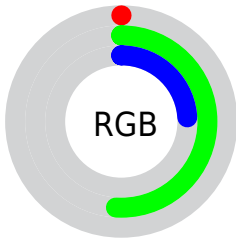
Format	Color
RYB	0, 88, 129
Decimal	33084
CIELab	47.01, -46.55, 28.86
CIELCh	47, 54.770, 148.207
Yxy	16.0268, 0.2742, 0.5071
Android (android.graphics.Color)	4278223164 (0xFF00813C)
YUV	82.5630, -11.1236, -72.4078
Hunter-Lab	40.0335, -31.4194, 17.7871

Details

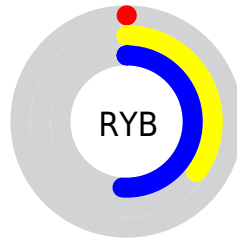
The XYZ color **8.6659, 16.0268, 6.9117** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.1280, 5.0972, 6.0811**, and the grayscale version is **8.1636, 8.5888, 9.3532**.

A 20% lighter version of the original color is **22.9183, 36.6334, 20.3310**, and **2.7970, 5.4778, 1.2907** is the 20% darker color. If you saturate the color by 10%, you get **8.6662, 16.0274, 6.9117**, and if you desaturate by 10%, it is **9.0253, 16.1901, 7.9441**.

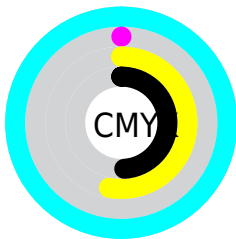
Distribution



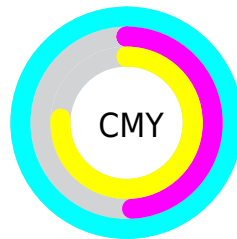
- Red (0%)
- Green (51%)
- Blue (24%)



- Red (0%)
- Yellow (35%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.6659, 16.0268, 6.9117 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 8.6659, 16.0268, 6.9117 by changing the saturation by 10% instead.


 8.6659, 16.0268,
6.9117


 8.6659, 16.0268,
6.9117


175.1259,
229.4998, 176.5310

 4.5793, 9.5431,
3.3293


 22.9270, 36.6447,
20.3052


 2.0348, 5.0971,
1.2652

 33.8322, 51.5478,
30.9534


 0.6534, 2.3043,
0.0330

 47.7410, 70.0260,
44.7939

 0.0000, 0.7760,
0.0000

 65.0187, 92.4639,
62.2454

 0.0000, 0.0000,
0.0000

 86.0307, 119.2459,
83.7263

 111.1424,

150.7562, 109.6551

140.7190,
187.3794, 140.4505

■ 8.6659, 16.0268,
6.9117

■ 8.6659, 16.0268,
6.9117

■ 8.6662, 16.0274,
6.9117

■ 9.0253, 16.1901,
7.9441

■ 9.5010, 16.4100,
9.1104

■ 10.1502, 16.7164,
10.4179

■ 10.9916, 17.1188,
11.8715

■ 12.0410, 17.6254,
13.4759

■ 13.3128, 18.2434,
15.2356

■ 14.8199, 18.9794,
17.1546

■ 16.5741, 19.8395,
19.2372

■ 18.5866, 20.8292,
21.4872

Harmonies

Analogous

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



11.2791, 16.0268, 2.9948



8.6659, 16.0268, 6.9117



7.7537, 16.0268, 16.6378

Triad

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



8.6659, 16.0268, 6.9117



14.9465, 16.0268, 59.3566



24.8830, 16.0268, 7.7120

Complementary

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



8.6659, 16.0268, 6.9117



10.1280, 5.0972, 6.0811

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.



26.4256, 16.0268, 18.2892



8.6659, 16.0268, 6.9117



20.0173, 16.0268, 52.5729

Square

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



8.6659, 16.0268, 6.9117



10.8753, 16.0268, 50.8694



24.4853, 16.0268, 35.3759



20.6224, 16.0268, 3.2571

Rectangle

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



8.6659, 16.0268, 6.9117



8.0486, 16.0268, 27.0645



24.4853, 16.0268, 35.3759



25.7714, 16.0268, 10.4346

Sweetspot

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



8.6663, 16.0274, 6.9121



26.3331, 33.8863, 30.4666



10.4457, 17.0390, 2.7384



5.7373, 7.5609, 6.6172



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



8.6663, 16.0274, 6.9121



15.4432, 28.6702, 11.9798



11.3978, 17.1201, 21.2961



4.3528, 4.8494, 5.0289



8.4513, 15.6271, 6.7496



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.1280, 5.0972, 6.0811



18.0589, 9.0964, 10.4820



9.0890, 4.6816, 0.6099



4.4164, 4.3797, 4.9972



9.8765, 4.9703, 5.9396



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.6659, 16.0268, 6.9117 looks on a white background.

Color Contrast Check

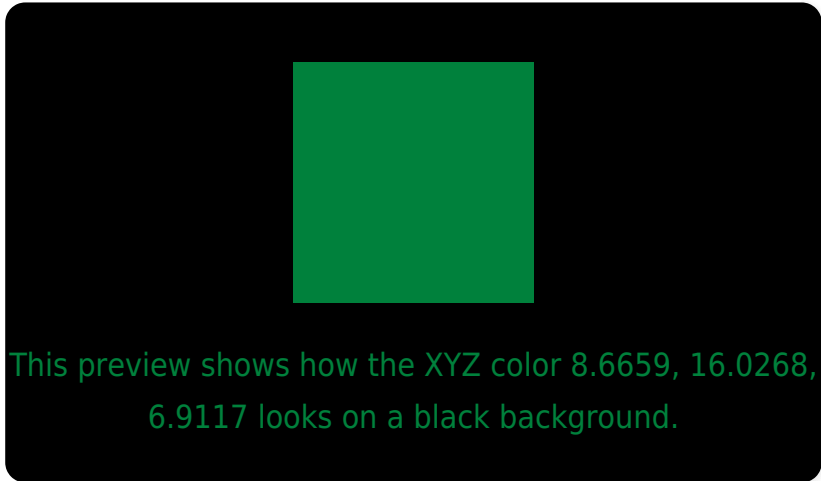
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.6659, 16.0268, 6.9117

Background



This preview shows how black text looks on a background with the XYZ color 8.6659, 16.0268, 6.9117.



This preview shows how white text looks on a background with the XYZ color 8.6659, 16.0268,

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

8.6659, 16.0268, 6.9117

Protanopia

14.5187, 15.8462, 5.7834

Deuteranopia

16.1291, 15.8523, 7.3640



Tritanopia

12.2495, 15.9915, 23.9138

Trichromacy



Original Color

8.6659, 16.0268, 6.9117



Protanomaly

10.3341, 14.8621, 6.0654



Deuteranomaly

10.7805, 14.3832, 7.0585



Tritanomaly

10.3531, 15.7423, 15.8575

Monochromacy



Original Color

8.6659, 16.0268, 6.9117



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

7.2954, 10.3792, 8.2755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6659, 16.0268, 6.9117 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, 129, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 60)  
}
```

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, 129, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 60) }
```

Border

The CSS property to change the border of an element to XYZ 8.6659, 16.0268, 6.9117 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, 129, 60) }
```


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

```
.border{ border-color:rgb(0, 129, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.6659, 16.0268, 6.9117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 60) }
```

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

```
.background{ background-color: rgb(0, 129,  
60) }
```

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