

Converting Colors

XYZ(8.4225, 16.7016, 3.2494)

Have a look what the booklet for
XYZ(8.4225, 16.7016, 3.2494)
contains.

XYZ(8.4738, 16.8095, 3.2499)	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(8.4738, 16.8095,
3.2499)**

Conversions

Conversions Part 1

Format	Color
Hex	00850F
RGB	0, 133, 15
RGB Percent	0%, 52%, 6%
CMY	1.0000, 0.4784, 0.9411
CMYK	1.00, 0.00, 0.89, 0.48
HSL	127°, 100%, 26%
HSV	127°, 100%, 52%
XYZ	8.4738, 16.8095, 3.2499
YIQ	79.7810, -41.3900, -64.8940

Conversions

Conversions Part 2

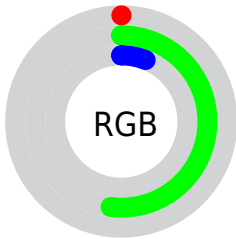
Format	Color
RYB	0, 120, 133
Decimal	34063
CIELab	48.02, -52.58, 48.34
CIELCh	48, 71.422, 137.406
Yxy	16.8095, 0.2970, 0.5891
Android (android.graphics.Color)	4278224143 (0xFF00850F)
YUV	79.7810, -31.9370, -69.9679
Hunter-Lab	40.9994, -34.8564, 23.9998

Details

The XYZ color **8.4738, 16.8095, 3.2499** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.9434, 6.2949, 17.6731**, and the grayscale version is **7.6491, 8.0475, 8.7637**.

A 20% lighter version of the original color is **22.5073, 37.8475, 12.2499**, and **3.0173, 6.0346, 1.0058** is the 20% darker color. If you saturate the color by 10%, you get **8.4740, 16.8101, 3.2500**, and if you desaturate by 10%, it is **8.7540, 16.9418, 3.8340**.

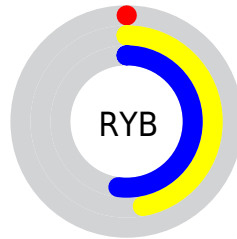
Distribution



Red (0%)

Green (52%)

Blue (6%)



Red (0%)

Yellow (47%)

Blue (52%)

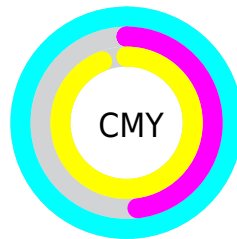


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (48%)



Cyan (100%)


Magenta (48%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.4738, 16.8095, 3.2499 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 8.4738, 16.8095, 3.2499 by changing the saturation by 10% instead.


 8.4738, 16.8095,
3.2499

 8.4738, 16.8095,
3.2499


173.6940,
234.0722, 139.4825


 4.4539, 10.0988,
1.2236


 22.5588, 37.9979,
12.2391


 1.9620, 5.4645,
0.0000

 33.3547, 53.2445,
20.0391


 0.6125, 2.5223,
0.0000

 47.1399, 72.1050,
30.6007

 0.0000, 0.8878,
0.0000


 64.2798, 94.9640,
44.3425


 0.0000, 0.0000,
0.0000


 85.1399, 122.2058,
61.6831


 110.0853,


154.2148, 83.0409


 139.4816,
191.3755, 108.8345


 8.4738, 16.8095,
3.2499


 8.4738, 16.8095,
3.2499


 8.4740, 16.8101,
3.2500

 8.7540, 16.9418,
3.8340

 9.1893, 17.1472,
4.7110

 9.8439, 17.4587,
5.9150

 10.7422, 17.8883,
7.4740

 11.9053, 18.4462,
9.4130

■ 13.3520, 19.1416,
11.7547

■ 15.0992, 19.9830,
14.5199

■ 17.1628, 20.9779,
17.7282

■ 19.5573, 22.1336,
21.3978

Harmonies

Analogous

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



12.5458, 16.8095, 1.0247



8.4738, 16.8095, 3.2499



6.6704, 16.8095, 11.5974

Triad

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



8.4738, 16.8095, 3.2499



13.4217, 16.8095, 79.4835



30.9790, 16.8095, 9.5990

Complementary

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



8.4738, 16.8095, 3.2499



12.9434, 6.2949, 17.6731

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.



31.4001, 16.8095, 27.1940



8.4738, 16.8095, 3.2499



19.9827, 16.8095, 77.4461

Square

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



8.4738, 16.8095, 3.2499



8.9656, 16.8095, 58.8958



26.9604, 16.8095, 54.4170



25.9299, 16.8095, 2.6281

Rectangle

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



8.4738, 16.8095, 3.2499



6.5621, 16.8095, 23.2750



26.9604, 16.8095, 54.4170



31.7070, 16.8095, 14.0944

Sweetspot

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



8.4742, 16.8102, 3.2503



26.8058, 35.6720, 25.6358



16.0924, 20.7475, 3.1567



5.7760, 7.9098, 5.3611



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



8.4742, 16.8102, 3.2503



15.1427, 30.0897, 5.6511



9.8287, 17.3520, 10.3828



4.6361, 5.2127, 5.0949



8.0732, 16.0121, 3.1048



0.0293, 0.0560, 0.0175

Inverse Universe

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



12.9434, 6.2949, 17.6731



23.1418, 11.2578, 31.4565



10.3206, 5.2458, 3.8616



4.8359, 4.7540, 5.7481



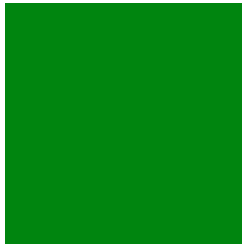
12.3301, 5.9964, 16.8427



0.0443, 0.0214, 0.0668

Previews

White Background



This preview shows how the XYZ color 8.4738, 16.8095, 3.2499 looks on a white background.

Color Contrast Check

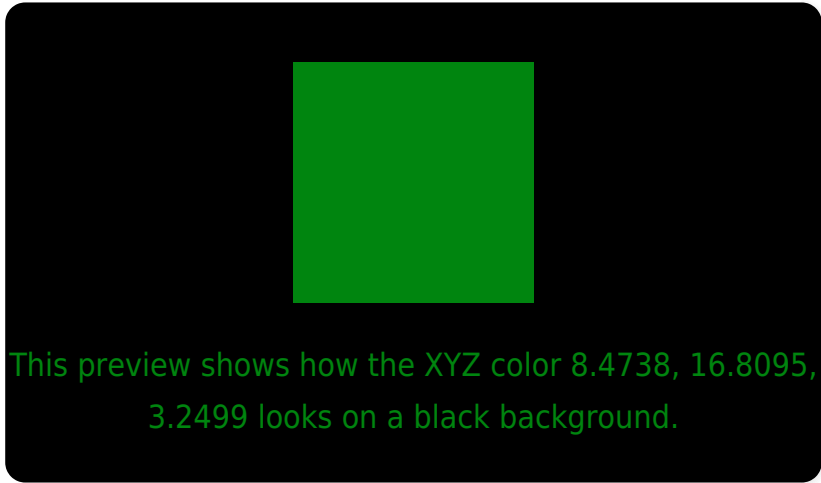
Large Text (above 18pt) WCAG AA ✓ Pass

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

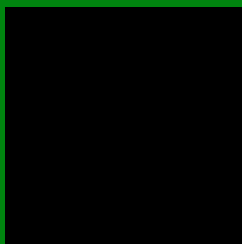
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.4738, 16.8095, 3.2499

Background



This preview shows how black text looks on a background with the XYZ color 8.4738, 16.8095, 3.2499.



This preview shows how white text looks on a background with the XYZ color 8.4738, 16.8095,

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

8.4738, 16.8095, 3.2499

Protanopia

14.9578, 16.6392, 2.6243

Deuteranopia

16.9510, 16.6690, 3.6905



Tritanopia

13.1416, 16.9773, 25.1386

Trichromacy



Original Color

8.4738, 16.8095, 3.2499



Protanomaly

10.2855, 15.4460, 2.7264



Deuteranomaly

10.8621, 15.0213, 3.3042



Tritanomaly

10.2053, 16.3091, 12.5076

Monochromacy



Original Color

8.4738, 16.8095, 3.2499



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

6.5409, 9.9130, 5.3100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4738, 16.8095, 3.2499 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, 133, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 15)  
}
```

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, 133, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 15) }
```

Border

The CSS property to change the border of an element to XYZ 8.4738, 16.8095, 3.2499 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, 133, 15) }
```


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

```
.border{ border-color:rgb(0, 133, 15) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 15);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.4738, 16.8095, 3.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 15) }
```

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

```
.background{ background-color: rgb(0, 133,  
15) }
```

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