

Converting Colors

XYZ(8.4989, 16.6221, 3.1549)

Have a look what the booklet for
XYZ(8.4989, 16.6221, 3.1549)
contains.

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Color

**XYZ(8.4899, 16.6172,
3.1407)**

Conversions

Conversions Part 1

Format	Color
Hex	0D840D
RGB	13, 132, 13
RGB Percent	5%, 52%, 5%
CMY	0.9490, 0.4823, 0.9490
CMYK	0.90, 0.00, 0.90, 0.48
HSL	120°, 82%, 28%
HSV	120°, 90%, 52%
XYZ	8.4899, 16.6172, 3.1407
YIQ	82.8530, -32.7250, -62.2370

Conversions

Conversions Part 2

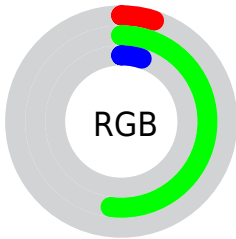
Format	Color
R_{YB}	13, 132, 132
Decimal	885773
CIE Lab	47.77, -51.38, 48.62
CIE LCh	48, 70.737, 136.582
Yxy	16.6172, 0.3006, 0.5883
Android (android.graphics.Color)	4279075853 (0xFF0D840D)
YUV	82.8530, -34.4375, -61.2611
Hunter-Lab	40.7642, -34.1614, 23.9669

Details

The XYZ color **8.4899, 16.6172, 3.1407** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.8246, 6.8594, 22.4237**, and the grayscale version is **8.2651, 8.6955, 9.4694**.

A 20% lighter version of the original color is **22.5340, 37.5512, 12.0217**, and **2.9424, 5.8849, 0.9808** is the 20% darker color. If you saturate the color by 10%, you get **8.2517, 16.5033, 2.7508**, and if you desaturate by 10%, it is **8.8715, 16.8010, 3.7647**.

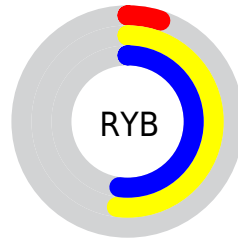
Distribution



Red (5%)

Green (52%)

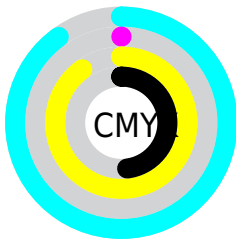
Blue (5%)



Red (5%)

Yellow (52%)

Blue (52%)

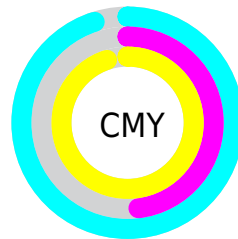


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (48%)



Cyan (95%)


Magenta (48%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.4899, 16.6172, 3.1407 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 8.4899, 16.6172, 3.1407 by changing the saturation by 10% instead.


 8.4899, 16.6172,
3.1407


 8.4899, 16.6172,
3.1407


173.8145,
232.9567, 138.1329


 4.4644, 9.9619,
1.1669


 22.5897, 37.6664,
11.9737


 1.9681, 5.3737,
0.0000

 33.3948, 52.8292,
19.6700


 0.6159, 2.4682,
0.0000

 47.1904, 71.5966,
30.1109

 0.0000, 0.8606,
0.0000


 64.3420, 94.3530,
43.7149


 0.0000, 0.0000,
0.0000


 85.2148, 121.4828,
60.9005


 110.1743,


153.3704, 82.0864


 139.5857,
190.4002, 107.6910


 8.4899, 16.6172,
3.1407


 8.4899, 16.6172,
3.1407


 8.2517, 16.5033,
2.7508

 8.8715, 16.8010,
3.7647

 9.4765, 17.0916,
4.7544

 10.3325, 17.5028,
6.1545

 11.4626, 18.0456,
8.0031

 12.8876, 18.7301,
10.3339

■ 14.6261, 19.5652,
13.1775

■ 16.6952, 20.5591,
16.5618

■ 19.1108, 21.7194,
20.5129

■ 21.8877, 23.0534,
25.0550

Harmonies

Analogous

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



12.5637, 16.6172, 1.0199



8.4899, 16.6172, 3.1407



6.6550, 16.6172, 11.1396

Triad

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



8.4899, 16.6172, 3.1407



13.1304, 16.6172, 77.7490



30.5991, 16.6172, 9.8452

Complementary

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



8.4899, 16.6172, 3.1407



13.8246, 6.8594, 22.4237

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.



30.8707, 16.6172, 27.4663



8.4899, 16.6172, 3.1407



19.5357, 16.6172, 76.4372

Square

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



8.4899, 16.6172, 3.1407



8.8086, 16.6172, 57.1565



26.4093, 16.6172, 54.2708



25.7442, 16.6172, 2.7352

Rectangle

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



8.4899, 16.6172, 3.1407



6.5141, 16.6172, 22.3986



26.4093, 16.6172, 54.2708



31.2671, 16.6172, 14.3784

Sweetspot

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



8.4903, 16.6179, 3.1411



26.6353, 34.8818, 24.6385



17.8404, 21.4381, 3.5784



5.9733, 8.0117, 5.3635



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.



8.4903, 16.6179, 3.1411



14.5346, 29.0692, 4.8451



9.6037, 17.0633, 9.0043



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6633



0.0277, 0.0554, 0.0092

Inverse Universe

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



13.8246, 6.8594, 22.4237



24.0974, 11.5753, 39.4125



10.8462, 5.6680, 6.7393



4.8579, 4.7628, 5.8640



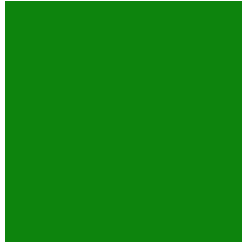
13.2457, 6.3626, 21.6641



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 8.4899, 16.6172, 3.1407 looks on a white background.

Color Contrast Check

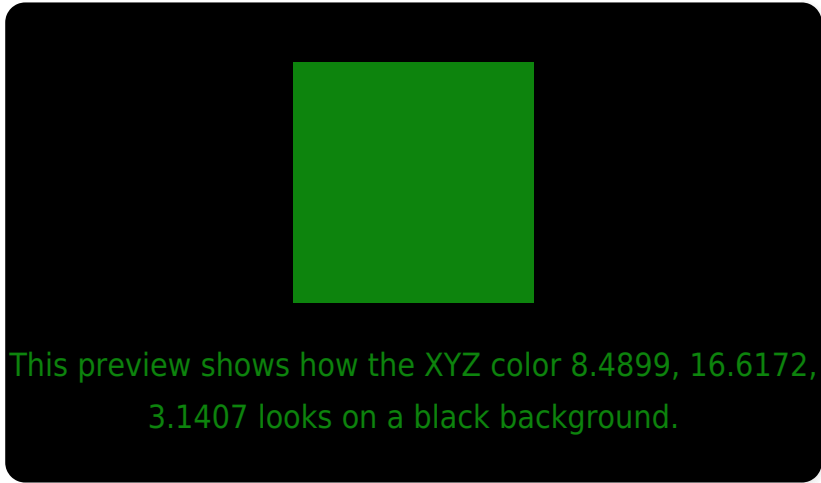
Large Text (above 18pt) WCAG AA ✓ Pass

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

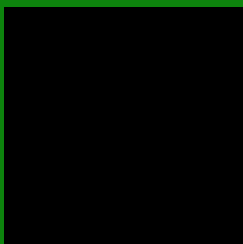
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

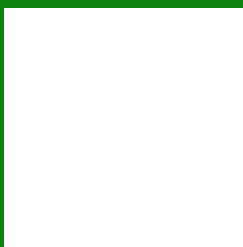
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.4899, 16.6172, 3.1407

Background



This preview shows how black text looks on a background with the XYZ color 8.4899, 16.6172, 3.1407.



This preview shows how white text looks on a background with the XYZ color 8.4899, 16.6172,

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

8.4899, 16.6172, 3.1407

Protanopia

14.6575, 16.3223, 2.3780

Deuteranopia

16.6603, 16.3651, 3.5770



Tritanopia

12.9475, 16.7001, 24.7313

Trichromacy



Original Color

8.4899, 16.6172, 3.1407

Protanomaly

10.5816, 15.4223, 2.5627

Deuteranomaly

11.1296, 14.9896, 3.1708

Tritanomaly

10.1391, 16.0941, 12.0233

Monochromacy



Original Color

8.4899, 16.6172, 3.1407

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.1623, 10.5124, 5.6546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4899, 16.6172, 3.1407 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(13, 132, 13)` looks like.

```
.text, #text, p{  
    color:rgb(13, 132, 13)  
}
```

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(13, 132, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 132, 13) }
```

Border

The CSS property to change the border of an element to XYZ 8.4899, 16.6172, 3.1407 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(13, 132, 13) }
```


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

```
.border{ border-color:rgb(13, 132, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 132, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 132, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 132, 13);  
box-shadow:4px 4px 4px 4px rgb(13, 132,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4899, 16.6172, 3.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 132, 13) }
```

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

```
.background{ background-color: rgb(13, 132,  
13) }
```

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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