

Converting Colors

XYZ(6.9470, 13.3517, 3.2574)

Have a look what the booklet for
XYZ(6.9470, 13.3517, 3.2574)
contains.

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Color

**XYZ(6.9463, 13.3509,
3.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	0C771B
RGB	12, 119, 27
RGB Percent	5%, 47%, 11%
CMY	0.9529, 0.5333, 0.8941
CMYK	0.90, 0.00, 0.77, 0.53
HSL	128°, 82%, 26%
HSV	128°, 90%, 47%
XYZ	6.9463, 13.3509, 3.2478
YIQ	76.5190, -34.2400, -51.2960

Conversions

Conversions Part 2

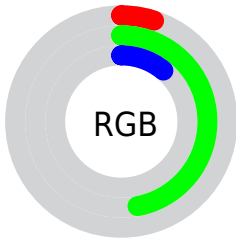
Format	Color
R _Y B	12, 106, 119
Decimal	816923
CIE Lab	43.29, -46.50, 40.19
CIE LCh	43, 61.466, 139.162
Yxy	13.3509, 0.2950, 0.5670
Android (android.graphics.Color)	4279007003 (0xFF0C771B)
YUV	76.5190, -24.4129, -56.5832
Hunter-Lab	36.5389, -30.0089, 20.3072

Details

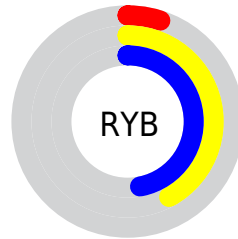
The XYZ color **6.9463, 13.3509, 3.2478** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.2384, 5.1847, 13.5587**, and the grayscale version is **7.0137, 7.3790, 8.0357**.

A 20% lighter version of the original color is **19.4854, 31.7902, 12.1303**, and **2.1281, 4.2562, 0.7094** is the 20% darker color. If you saturate the color by 10%, you get **6.6978, 13.2345, 2.7225**, and if you desaturate by 10%, it is **7.3091, 13.5222, 3.9946**.

Distribution



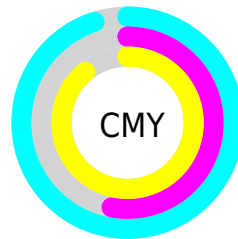
- Red (5%)
- Green (47%)
- Blue (11%)



- Red (5%)
- Yellow (42%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (77%)
- Black (53%)





- Cyan (95%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.9463, 13.3509, 3.2478 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 6.9463, 13.3509, 3.2478 by changing the saturation by 10% instead.


 6.9463, 13.3509,
3.2478

 6.9463, 13.3509,
3.2478


161.7712,
213.1545, 139.4567


 3.4746, 7.6706,
1.2225


 19.5709, 31.9328,
12.2340


 1.4094, 3.8849,
0.0000

 29.4545, 45.6031,
20.0320


 0.2629, 1.6094,
0.0000

 42.2060, 62.7057,
30.5913

 0.0000, 0.3639,
0.0000


 58.1909, 83.6248,
44.3305


 0.0000, 0.0000,
0.0000


 77.7746, 108.7448,
61.6681


 101.3222,


138.4501, 83.0227


 129.1993,
173.1252, 108.8127


 6.9463, 13.3509,
3.2478


 6.9463, 13.3509,
3.2478


 6.6978, 13.2345,
2.7225


 7.3091, 13.5222,
3.9946

 6.6958, 13.2336,
2.7188

 7.8404, 13.7747,
4.9846

 8.5582, 14.1178,
6.2370

 9.4781, 14.5591,
7.7686

 10.6139, 15.1053,
9.5948

■ 11.9782, 15.7628,
11.7300

■ 13.5826, 16.5372,
14.1875

■ 15.4381, 17.4338,
16.9799

■ 17.5548, 18.4577,
20.1192

Harmonies

Analogous

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



9.9151, 13.3509, 1.1720



6.9463, 13.3509, 3.2478



5.6537, 13.3509, 10.1426

Triad

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



6.9463, 13.3509, 3.2478



11.0446, 13.3509, 58.4980



23.4527, 13.3509, 7.5163

Complementary

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



6.9463, 13.3509, 3.2478



10.2384, 5.1847, 13.5587

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.



23.9746, 13.3509, 20.0461



6.9463, 13.3509, 3.2478



15.9387, 13.3509, 56.0407

Square

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



6.9463, 13.3509, 3.2478



7.5944, 13.3509, 44.7710



20.9542, 13.3509, 39.3114



19.6684, 13.3509, 2.3541

Rectangle

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



6.9463, 13.3509, 3.2478



5.6266, 13.3509, 19.1250



20.9542, 13.3509, 39.3114



24.0457, 13.3509, 10.7483

Sweetspot

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



6.9466, 13.3515, 3.2481



22.0505, 28.5161, 21.9332



12.4581, 16.2079, 2.8198



5.0538, 6.6751, 4.9323



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



6.9466, 13.3515, 3.2481



11.9560, 23.6834, 4.6904



8.1882, 13.8481, 9.7863



3.6596, 4.1058, 4.0415



7.1112, 14.0585, 2.8756



34.4584, 68.4306, 12.9848

Inverse Universe

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



10.2384, 5.1847, 13.5587



17.9087, 8.7372, 23.2038



8.3423, 4.4263, 3.5741



3.8056, 3.7495, 4.5032



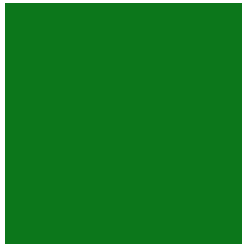
10.6451, 5.1917, 13.8710



51.6375, 25.2051, 66.3455

Previews

White Background



This preview shows how the XYZ color 6.9463, 13.3509, 3.2478 looks on a white background.

Color Contrast Check

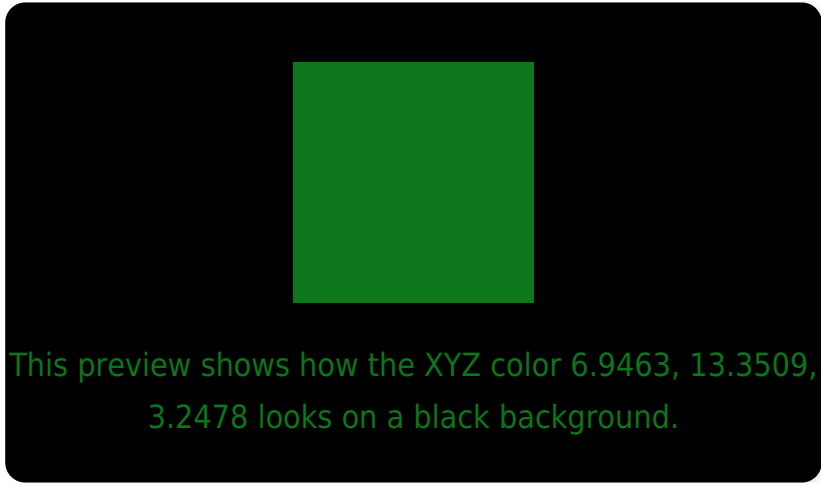
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.9463, 13.3509, 3.2478

Background



This preview shows how black text looks on a background with the XYZ color 6.9463, 13.3509, 3.2478.



This preview shows how white text looks on a background with the XYZ color 6.9463, 13.3509,

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

6.9463, 13.3509, 3.2478

Protanopia

11.9763, 13.2094, 2.7291

Deuteranopia

13.3610, 13.1950, 3.5929



Tritanopia

10.3900, 13.4031, 19.8087

Trichromacy



Original Color

6.9463, 13.3509, 3.2478

Protanomaly

8.6693, 12.4108, 2.8028

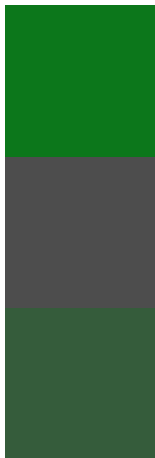
Deuteranomaly

9.0724, 12.1443, 3.3048

Tritanomaly

8.4246, 13.0816, 10.8851

Monochromacy



Original Color

6.9463, 13.3509, 3.2478

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

6.0848, 8.7269, 5.5014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9463, 13.3509, 3.2478 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(12, 119, 27)` looks like.

```
.text, #text, p{  
    color:rgb(12, 119, 27)  
}
```

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(12, 119, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 119, 27) }
```

Border

The CSS property to change the border of an element to XYZ 6.9463, 13.3509, 3.2478 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(12, 119, 27) }
```


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

```
.border{ border-color:rgb(12, 119, 27) }
```

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

Here you see how a box with a 4 pixel rgb(12, 119, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 119, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 119, 27);  
box-shadow:4px 4px 4px 4px rgb(12, 119,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 6.9463, 13.3509, 3.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 119, 27) }
```

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

```
.background{ background-color: rgb(12, 119,  
27) }
```

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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