

Converting Colors

XYZ(6.7404, 12.9477, 3.1709)

Have a look what the booklet for
XYZ(6.7404, 12.9477, 3.1709)
contains.

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Color

**XYZ(6.7107, 12.8799,
3.1693)**

Conversions

Conversions Part 1

Format	Color
Hex	0C751B
RGB	12, 117, 27
RGB Percent	5%, 46%, 11%
CMY	0.9530, 0.5412, 0.8941
CMYK	0.90, 0.00, 0.77, 0.54
HSL	129°, 81%, 25%
HSV	129°, 90%, 46%
XYZ	6.7107, 12.8799, 3.1693
YIQ	75.3450, -33.6900, -50.2500

Conversions

Conversions Part 2

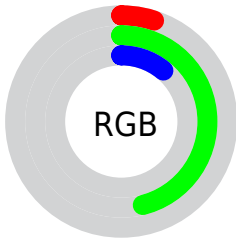
Format	Color
RYB	12, 104, 117
Decimal	816411
CIELab	42.58, -45.85, 39.48
CIELCh	43, 60.508, 139.270
Yxy	12.8799, 0.2948, 0.5659
Android (android.graphics.Color)	4279006491 (0xFF0C751B)
YUV	75.3450, -23.8341, -55.5536
Hunter-Lab	35.8886, -29.4278, 19.8861

Details

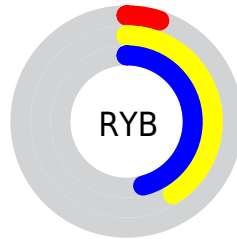
The XYZ color **6.7107, 12.8799, 3.1693** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **9.8659, 5.0041, 13.0148**, and the grayscale version is **6.7965, 7.1505, 7.7868**.

A 20% lighter version of the original color is **19.0225, 30.9907, 12.0004**, and **2.0072, 4.0143, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **6.4663, 12.7655, 2.6525**, and if you desaturate by 10%, it is **7.0655, 13.0474, 3.8989**.

Distribution



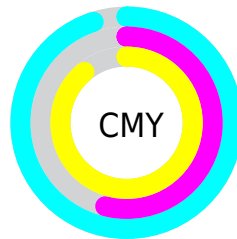
- Red (5%)
- Green (46%)
- Blue (11%)



- Red (5%)
- Yellow (41%)
- Blue (46%)



- Cyan (90%)
- Magenta (0%)
- Yellow (77%)
- Black (54%)



- Cyan (95%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.7107, 12.8799, 3.1693 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 6.7107, 12.8799, 3.1693 by changing the saturation by 10% instead.

■ 6.7107, 12.8799,
3.1693

■ 6.7107, 12.8799,
3.1693

159.8354,
210.1465, 138.4885

■ 3.3266, 7.3459,
1.1817

■ 19.0993, 31.0879,
12.0434

■ 1.3287, 3.6793,
0.0000

■ 28.8345, 44.5306,
19.7670

■ 0.2046, 1.4959,
0.0000

■ 41.4175, 61.3784,
30.2397

■ 0.0000, 0.2858,
0.0000


■ 57.2135, 82.0156,
43.8801


■ 0.0000, 0.0000,
0.0000


■ 76.5879, 106.8266,
61.1066


■ 99.9062, 136.1958,


82.3378


 127.5335,
170.5077, 107.9923


 6.7107, 12.8799,
3.1693


 6.7107, 12.8799,
3.1693


 6.4663, 12.7655,
2.6525


 7.0655, 13.0474,
3.8989

 6.4606, 12.7628,
2.6420

 7.5825, 13.2932,
4.8618

 8.2790, 13.6261,
6.0761

 9.1698, 14.0534,
7.5577

 10.2680, 14.5816,
9.3211

■ 11.5857, 15.2168,
11.3801

■ 13.1341, 15.9642,
13.7473

■ 14.9235, 16.8291,
16.4345

■ 16.9637, 17.8161,
19.4533

Harmonies

Analogous

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



9.5612, 12.8799, 1.1504



6.7107, 12.8799, 3.1693



5.4713, 12.8799, 9.8354

Triad

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



6.7107, 12.8799, 3.1693



10.6755, 12.8799, 56.2225



22.5702, 12.8799, 7.2423

Complementary

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



6.7107, 12.8799, 3.1693



9.8659, 5.0041, 13.0148

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.



23.0841, 12.8799, 19.2594



6.7107, 12.8799, 3.1693



15.3820, 12.8799, 53.8065

Square

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



6.7107, 12.8799, 3.1693



7.3507, 12.8799, 43.1060



20.1952, 12.8799, 37.7354



18.9289, 12.8799, 2.2831

Rectangle

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



6.7107, 12.8799, 3.1693



5.4486, 12.8799, 18.4885



20.1952, 12.8799, 37.7354



23.1436, 12.8799, 10.3432

Sweetspot

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



6.7110, 12.8804, 3.1696



21.2799, 27.5053, 21.2009



12.0216, 15.6333, 2.7316



4.7383, 6.2495, 4.6365



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.7110, 12.8804, 3.1696



11.5348, 22.8399, 4.5530



7.9063, 13.3585, 9.4638



3.6600, 4.1060, 4.0434



7.1138, 14.0595, 2.8896



34.4687, 68.4347, 13.0390

Inverse Universe

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



9.8659, 5.0041, 13.0148



17.2426, 8.4146, 22.2353



8.0544, 4.2795, 3.4758



3.8052, 3.7494, 4.5011



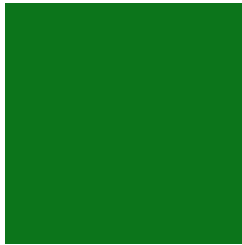
10.6278, 5.1848, 13.7799



51.5495, 25.1699, 65.8824

Previews

White Background



This preview shows how the XYZ color 6.7107, 12.8799, 3.1693 looks on a white background.

Color Contrast Check

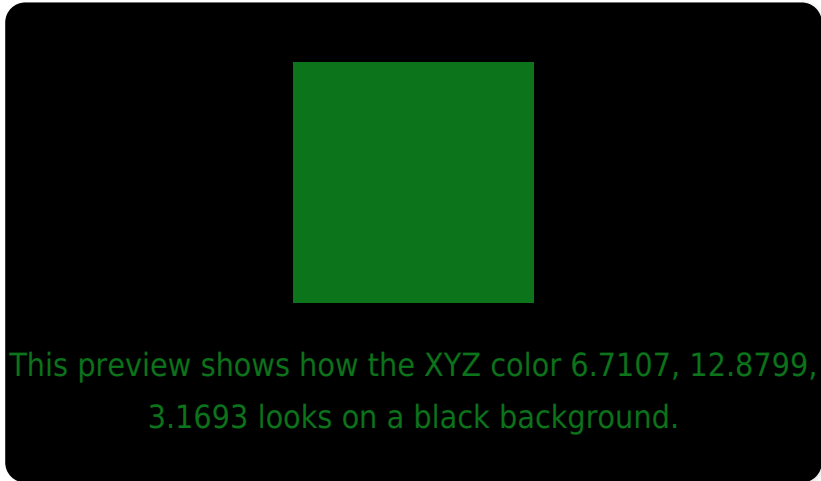
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.7107, 12.8799, 3.1693

Background



This preview shows how black text looks on a background with the XYZ color 6.7107, 12.8799, 3.1693.



This preview shows how white text looks on a background with the XYZ color 6.7107, 12.8799,

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

6.7107, 12.8799, 3.1693

Protanopia

11.5219, 12.6869, 2.6522

Deuteranopia

12.8681, 12.6718, 3.4367



Tritanopia

10.0053, 12.8983, 19.1018

Trichromacy



Original Color

6.7107, 12.8799, 3.1693

Protanomaly

8.2994, 11.9105, 2.7257

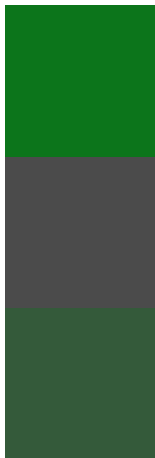
Deuteranomaly

8.7809, 11.6951, 3.2334

Tritanomaly

8.1614, 12.6193, 10.5999

Monochromacy



Original Color

6.7107, 12.8799, 3.1693

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

5.8361, 8.3479, 5.3067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.7107, 12.8799, 3.1693 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, 117, 27)` looks like.

```
.text, #text, p{  
    color:rgb(12, 117, 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, 117, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 117, 27) }
```

Border

The CSS property to change the border of an element to XYZ 6.7107, 12.8799, 3.1693 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, 117, 27) }
```


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

```
.border{ border-color:rgb(12, 117, 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, 117, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 117, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 117, 27);  
box-shadow:4px 4px 4px 4px rgb(12, 117,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 6.7107, 12.8799, 3.1693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 117, 27) }
```

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

```
.background{ background-color: rgb(12, 117,  
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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