

Converting Colors

XYZ(6.8659, 13.2723, 2.7292)

Have a look what the booklet for
XYZ(6.8659, 13.2723, 2.7292)
contains.

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Color

**XYZ(6.8950, 13.3357,
2.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	0F7711
RGB	15, 119, 17
RGB Percent	6%, 47%, 7%
CMY	0.9412, 0.5333, 0.9333
CMYK	0.87, 0.00, 0.86, 0.53
HSL	121°, 78%, 26%
HSV	121°, 87%, 47%
XYZ	6.8950, 13.3357, 2.7410
YIQ	76.2760, -29.2420, -53.7700

Conversions

Conversions Part 2

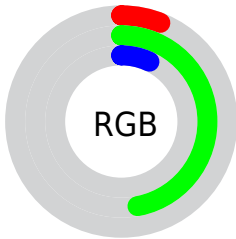
Format	Color
RYB	15, 117, 119
Decimal	1013521
CIELab	43.26, -46.92, 43.57
CIELCh	43, 64.028, 137.124
Yxy	13.3357, 0.3002, 0.5805
Android (android.graphics.Color)	4279203601 (0xFF0F7711)
YUV	76.2760, -29.2231, -53.7391
Hunter-Lab	36.5181, -30.2039, 21.1124

Details

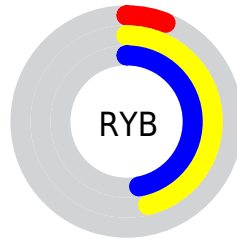
The XYZ color **6.8950, 13.3357, 2.7410** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.9895, 5.5479, 17.3197**, and the grayscale version is **6.9764, 7.3398, 7.9930**.

A 20% lighter version of the original color is **19.4253, 31.7862, 10.9059**, and **2.1281, 4.2562, 0.7094** is the 20% darker color. If you saturate the color by 10%, you get **6.6651, 13.2259, 2.3548**, and if you desaturate by 10%, it is **7.2642, 13.5130, 3.3669**.

Distribution



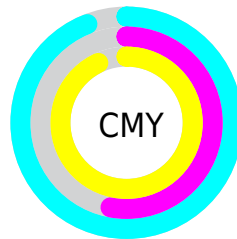
- Red (6%)
- Green (47%)
- Blue (7%)



- Red (6%)
- Yellow (46%)
- Blue (47%)



- Cyan (87%)
- Magenta (0%)
- Yellow (86%)
- Black (53%)





- Cyan (94%)
- Magenta (53%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.8950, 13.3357, 2.7410 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 6.8950, 13.3357, 2.7410 by changing the saturation by 10% instead.


 6.8950, 13.3357,
2.7410


 6.8950, 13.3357,
2.7410


161.3521,
213.0581, 132.9903


 3.4423, 7.6601,
0.9640


 19.4685, 31.9056,
10.9824


 1.3917, 3.8782,
0.0000

 29.3199, 45.5687,
18.2838


 0.2503, 1.6057,
0.0000

 42.0350, 62.6630,
28.2637

 0.0000, 0.3614,
0.0000


 57.9791, 83.5731,
41.3407


 0.0000, 0.0000,
0.0000


 77.5175, 108.6832,
57.9333


 101.0155,


138.3778, 78.4601


 128.8386,
173.0413, 103.3396


 6.8950, 13.3357,
2.7410


 6.8950, 13.3357,
2.7410


 6.6651, 13.2259,
2.3548


 7.2642, 13.5130,
3.3669

 6.6097, 13.1993,
2.2653

 7.8152, 13.7772,
4.2860

 8.5675, 14.1383,
5.5283

 9.5381, 14.6045,
7.1203

 10.7421, 15.1829,
9.0856

■ 12.1933, 15.8803,
11.4456

■ 13.9044, 16.7027,
14.2204

■ 15.8872, 17.6560,
17.4284

■ 18.1528, 18.7453,
21.0871

Harmonies

Analogous

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



10.0709, 13.3357, 0.9372



6.8950, 13.3357, 2.7410



5.4693, 13.3357, 9.2476

Triad

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



6.8950, 13.3357, 2.7410



10.6678, 13.3357, 60.6942



24.1395, 13.3357, 7.8748

Complementary

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



6.8950, 13.3357, 2.7410



10.9895, 5.5479, 17.3197

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.



24.4216, 13.3357, 21.4916



6.8950, 13.3357, 2.7410



15.6937, 13.3357, 59.3452

Square

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



6.8950, 13.3357, 2.7410



7.2333, 13.3357, 45.1151



21.0212, 13.3357, 42.1364



20.3289, 13.3357, 2.2966

Rectangle

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



6.8950, 13.3357, 2.7410



5.3750, 13.3357, 18.1755



21.0212, 13.3357, 42.1364



24.6797, 13.3357, 11.3913

Sweetspot

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



6.8953, 13.3363, 2.7413



22.0433, 28.5366, 20.8351



14.0556, 17.0293, 2.9980



5.0403, 6.6746, 4.6393



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.



6.8953, 13.3363, 2.7413



11.8295, 23.6328, 4.0243



7.8600, 13.7221, 7.8214



3.6432, 4.0992, 3.9551



7.0217, 14.0227, 2.4044



34.1810, 68.3197, 11.5240

Inverse Universe

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



10.9895, 5.5479, 17.3197



19.3358, 9.3081, 30.7189



8.7408, 4.6485, 5.4782



3.8237, 3.7568, 4.5986



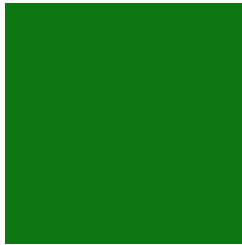
11.4752, 5.5238, 18.2425



55.8816, 26.9027, 88.6946

Previews

White Background



This preview shows how the XYZ color 6.8950, 13.3357, 2.7410 looks on a white background.

Color Contrast Check

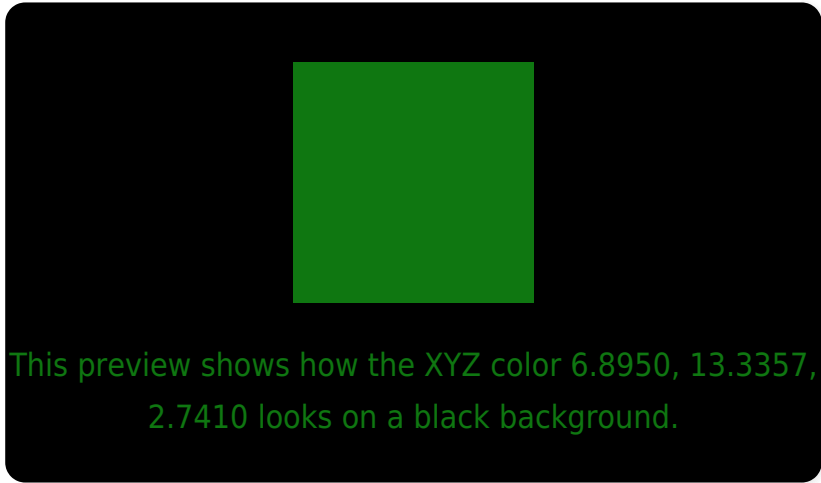
Large Text (above 18pt) WCAG AA ✓ Pass

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

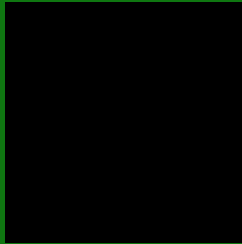
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8950, 13.3357, 2.7410

Background



This preview shows how black text looks on a background with the XYZ color 6.8950, 13.3357, 2.7410.



This preview shows how white text looks on a background with the XYZ color 6.8950, 13.3357,

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

6.8950, 13.3357, 2.7410

Protanopia

11.8880, 13.1741, 2.2641

Deuteranopia

13.4111, 13.2323, 3.0755



Tritanopia

10.4398, 13.4288, 19.8111

Trichromacy



Original Color

6.8950, 13.3357, 2.7410



Protanomaly

8.6663, 12.4191, 2.3558



Deuteranomaly

9.1575, 12.1996, 2.7918



Tritanomaly

8.3780, 13.0712, 10.2650

Monochromacy



Original Color

6.8950, 13.3357, 2.7410



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

6.0381, 8.7144, 4.9782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8950, 13.3357, 2.7410 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(15, 119, 17)` looks like.

```
.text, #text, p{  
    color:rgb(15, 119, 17)  
}
```

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(15, 119, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 119, 17) }
```

Border

The CSS property to change the border of an element to XYZ 6.8950, 13.3357, 2.7410 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(15, 119, 17) }
```


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

```
.border{ border-color:rgb(15, 119, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 119, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 119, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 119, 17);  
box-shadow:4px 4px 4px 4px rgb(15, 119,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8950, 13.3357, 2.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 119, 17) }
```

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

```
.background{ background-color: rgb(15, 119,  
17) }
```

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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