

Converting Colors

XYZ(7.5363, 13.7500, 5.8535)

Have a look what the booklet for
XYZ(7.5363, 13.7500, 5.8535)
contains.

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Color

**XYZ(7.5577, 13.7869,
5.8772)**

Conversions

Conversions Part 1

Format	Color
Hex	0C7837
RGB	12, 120, 55
RGB Percent	5%, 47%, 22%
CMY	0.9529, 0.5294, 0.7843
CMYK	0.90, 0.00, 0.54, 0.53
HSL	144°, 82%, 26%
HSV	144°, 90%, 47%
XYZ	7.5577, 13.7869, 5.8772
YIQ	80.2980, -43.5030, -43.1110

Conversions

Conversions Part 2

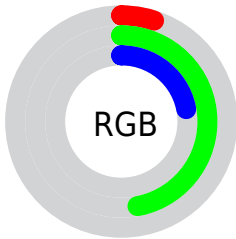
Format	Color
R_{YB}	12, 89, 120
Decimal	817207
CIE Lab	43.93, -43.29, 27.74
CIE LCh	44, 51.416, 147.354
Yxy	13.7869, 0.2776, 0.5065
Android (android.graphics.Color)	4279007287 (0xFF0C7837)
YUV	80.2980, -12.4719, -59.8973
Hunter-Lab	37.1307, -28.6463, 16.6068

Details

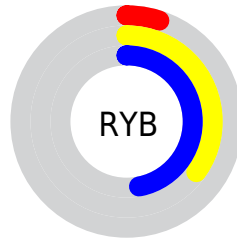
The XYZ color **7.5577, 13.7869, 5.8772** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **9.2174, 4.7922, 7.4617**, and the grayscale version is **7.7134, 8.1151, 8.8374**.

A 20% lighter version of the original color is **20.7000, 32.5719, 18.0280**, and **2.2340, 4.3978, 0.9609** is the 20% darker color. If you saturate the color by 10%, you get **7.2457, 13.6450, 5.0243**, and if you desaturate by 10%, it is **7.9692, 13.9779, 6.8677**.

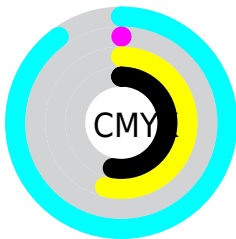
Distribution



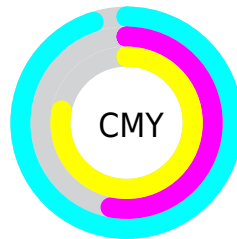
- Red (5%)
- Green (47%)
- Blue (22%)



- Red (5%)
- Yellow (35%)
- Blue (47%)



- Cyan (90%)
- Magenta (0%)
- Yellow (54%)
- Black (53%)



- Cyan (95%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.5577, 13.7869, 5.8772 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 7.5577, 13.7869, 5.8772 by changing the saturation by 10% instead.

■ 7.5577, 13.7869,
5.8772

■ 7.5577, 13.7869,
5.8772

166.6663,
215.9011, 167.2380

■ 3.8627, 7.9726,
2.7030

■ 20.7805, 32.7104,
18.1487

■ 1.6247, 4.0774,
0.9449

■ 31.0390, 46.5885,
28.0831

■ 0.4084, 1.7170,
0.0000

■ 44.2160, 63.9232,
41.1079

■ 0.0000, 0.4346,
0.0000

■ 60.6768, 85.0990,
57.6418

■ 0.0000, 0.0000,
0.0000

■ 80.7870, 110.5003,
78.1032

■ 104.9117,

140.5115, 102.9106

133.4163,
175.5169, 132.4827

■ 7.5577, 13.7869,
5.8772

■ 7.5577, 13.7869,
5.8772

■ 7.2457, 13.6450,
5.0243

■ 7.9692, 13.9779,
6.8677

■ 7.2456, 13.6449,
5.0238

■ 8.5326, 14.2438,
8.0029

■ 9.2639, 14.5931,
9.2887

■ 10.1767, 15.0327,
10.7307

■ 11.2831, 15.5687,
12.3340

■ 12.5942, 16.2068,
14.1035

■ 14.1202, 16.9521,
16.0440

■ 15.8705, 17.8095,
18.1600

■ 17.8542, 18.7833,
20.4557

Harmonies

Analogous

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



9.8273, 13.7869, 2.6083



7.5577, 13.7869, 5.8772



6.7385, 13.7869, 14.0007

Triad

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



7.5577, 13.7869, 5.8772



12.7462, 13.7869, 50.3711



21.3554, 13.7869, 6.8892

Complementary

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



7.5577, 13.7869, 5.8772



9.2174, 4.7922, 7.4617

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.



22.5782, 13.7869, 16.0700



7.5577, 13.7869, 5.8772



17.0386, 13.7869, 45.0103

Square

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



7.5577, 13.7869, 5.8772



9.3198, 13.7869, 42.8934



20.8591, 13.7869, 30.6366



17.7948, 13.7869, 2.9438

Rectangle

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



7.5577, 13.7869, 5.8772



6.9642, 13.7869, 22.7377



20.8591, 13.7869, 30.6366



22.0819, 13.7869, 9.2700

Sweetspot

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



7.5580, 13.7875, 5.8775



22.7419, 28.7926, 25.5738



9.9747, 15.1053, 2.7379



5.2282, 6.7448, 5.8507



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.



7.5580, 13.7875, 5.8775



12.6806, 23.9732, 8.5059



9.5435, 14.5816, 16.3327



4.0108, 4.4740, 4.5910



7.8975, 14.8827, 5.4452



37.2766, 70.8337, 23.8926

Inverse Universe

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



9.2174, 4.7922, 7.4617



15.6269, 7.8245, 11.1879



8.0488, 4.3248, 1.3082



4.0901, 4.0518, 4.6721



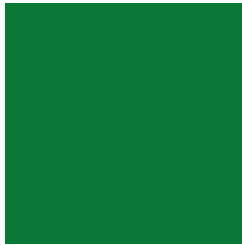
9.7272, 4.8670, 7.1203



45.9711, 23.0448, 31.7075

Previews

White Background



This preview shows how the XYZ color 7.5577, 13.7869, 5.8772 looks on a white background.

Color Contrast Check

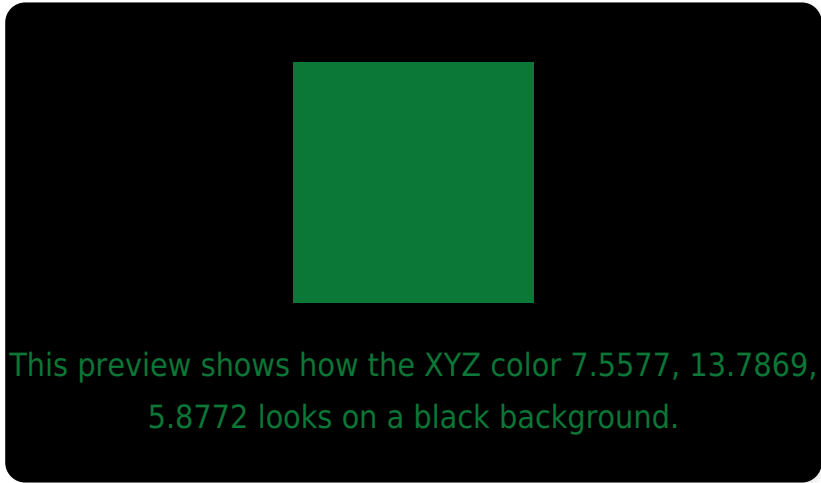
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.5577, 13.7869, 5.8772

Background



This preview shows how black text looks on a background with the XYZ color 7.5577, 13.7869, 5.8772.



This preview shows how white text looks on a background with the XYZ color 7.5577, 13.7869,

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

7.5577, 13.7869, 5.8772

Protanopia

12.4655, 13.7083, 5.0066

Deuteranopia

13.9083, 13.6962, 6.3255



Tritanopia

10.6369, 13.8438, 20.5238

Trichromacy



Original Color

7.5577, 13.7869, 5.8772



Protanomaly

9.2563, 12.9776, 5.2659



Deuteranomaly

9.7934, 12.7625, 6.0849



Tritanomaly

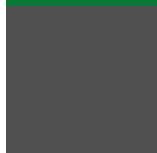
9.1431, 13.7299, 13.7235

Monochromacy



Original Color

7.5577, 13.7869, 5.8772



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

6.8051, 9.4516, 7.4269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5577, 13.7869, 5.8772 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, 120, 55)` looks like.

```
.text, #text, p{  
    color:rgb(12, 120, 55)  
}
```

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, 120, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 120, 55) }
```

Border

The CSS property to change the border of an element to XYZ 7.5577, 13.7869, 5.8772 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, 120, 55) }
```


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

```
.border{ border-color:rgb(12, 120, 55) }
```

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

Here you see how a box with a 4 pixel rgb(12, 120, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 120, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 120, 55);  
box-shadow:4px 4px 4px 4px rgb(12, 120,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 7.5577, 13.7869, 5.8772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 120, 55) }
```

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

```
.background{ background-color: rgb(12, 120,  
55) }
```

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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