

Converting Colors

XYZ(15.4419, 24.7673, 7.8124)

Have a look what the booklet for
XYZ(15.4419, 24.7673, 7.8124)
contains.

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Color

**XYZ(15.4380, 24.7833,
7.8409)**

Conversions

Conversions Part 1

Format	Color
Hex	509939
RGB	80, 153, 57
RGB Percent	31%, 60%, 22%
CMY	0.6863, 0.4000, 0.7765
CMYK	0.48, 0.00, 0.63, 0.40
HSL	106°, 46%, 41%
HSV	106°, 63%, 60%
XYZ	15.4380, 24.7833, 7.8409
YIQ	120.2290, -12.6920, -45.3320

Conversions

Conversions Part 2

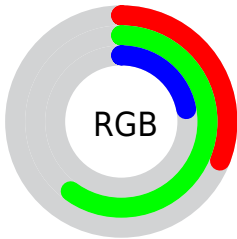
Format	Color
RYB	57, 153, 130
Decimal	5282105
CIELab	56.86, -41.26, 42.42
CIELCh	57, 59.177, 134.207
Yxy	24.7833, 0.3212, 0.5157
Android (android.graphics.Color)	4283472185 (0xFF509939)
YUV	120.2290, -31.1719, -35.2808
Hunter-Lab	49.7828, -31.7659, 25.5097

Details

The XYZ color **15.4380, 24.7833, 7.8409** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.4201, 9.9728, 31.1978**, and the grayscale version is **18.0262, 18.9649, 20.6528**.

A 20% lighter version of the original color is **35.2543, 51.3454, 22.2399**, and **4.9422, 9.4561, 1.5647** is the 20% darker color. If you saturate the color by 10%, you get **14.2138, 24.1906, 6.0828**, and if you desaturate by 10%, it is **16.9486, 25.5119, 10.2139**.

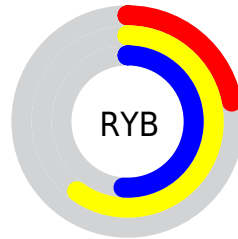
Distribution



Red (31%)

Green (60%)

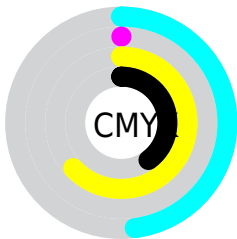
Blue (22%)



Red (22%)

Yellow (60%)

Blue (51%)

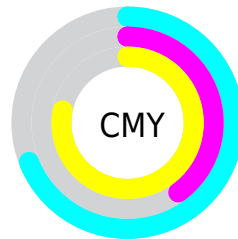


Cyan (48%)

Magenta (0%)

Yellow (63%)

Black (40%)



Cyan (69%)


Magenta (40%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.4380, 24.7833, 7.8409 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 15.4380, 24.7833, 7.8409 by changing the saturation by 10% instead.


 15.4380, 24.7833,
7.8409

 15.4380, 24.7833,
7.8409


219.3384,
276.7570, 184.3665


 9.2157, 15.9157,
3.9070


 35.1851, 51.3055,
22.1869


 4.9404, 9.4645,
1.5745


 49.4407, 69.7288,
33.4362


 2.2467, 5.0454,
0.2725

 67.1046, 92.1061,
47.9609

 0.7672, 2.2739,
0.0000

 88.5424, 118.8219,
66.1798

 0.0000, 0.7599,
0.0000

 114.1193,
150.2605, 88.5112

 0.0000, 0.0000,
0.0000

 144.2007,

186.8063, 115.3738

179.1519,
228.8437, 147.1860

■ 15.4380, 24.7833,
7.8409

■ 15.4380, 24.7833,
7.8409

■ 14.2138, 24.1906,
6.0828

■ 16.9486, 25.5119,
10.2139

■ 13.2547, 23.7218,
4.8812

■ 18.7614, 26.3810,
13.2499

■ 12.5391, 23.3679,
4.1693

■ 20.8929, 27.3992,
16.9941

■ 12.1423, 23.1704,
3.8324

■ 23.3580, 28.5731,
21.4873

■ 26.1706, 29.9091,
26.7672

■ 29.3438, 31.4132,
32.8689

■ 32.8899, 33.0910,
39.8254

■ 36.8209, 34.9480,
47.6681

■ 41.1478, 36.9892,
56.4264

Harmonies

Analogous

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



20.4366, 24.7833, 4.3289



15.4380, 24.7833, 7.8409



12.9259, 24.7833, 17.8802

Triad

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



15.4380, 24.7833, 7.8409



20.1146, 24.7833, 82.8242



38.9649, 24.7833, 18.6659

Complementary

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



15.4380, 24.7833, 7.8409



16.4201, 9.9728, 31.1978

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.



38.8317, 24.7833, 38.7504



15.4380, 24.7833, 7.8409



26.9772, 24.7833, 83.4023

Square

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



15.4380, 24.7833, 7.8409



15.2423, 24.7833, 63.2628



34.1130, 24.7833, 64.5884



34.4475, 24.7833, 8.1727

Rectangle

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



15.4380, 24.7833, 7.8409



12.6156, 24.7833, 29.8804



34.1130, 24.7833, 64.5884



39.4867, 24.7833, 24.2826

Sweetspot

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



15.4386, 24.7844, 7.8414



43.4557, 51.9420, 41.5041



21.7267, 22.7693, 7.1211



9.3138, 11.3354, 8.6401



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.4386, 24.7844, 7.8414



24.7585, 42.9817, 9.9780



14.5645, 24.2475, 11.6978



6.2639, 6.9935, 6.6256



10.0612, 19.1626, 3.1685



0.1790, 0.3012, 0.0487

Inverse Universe

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



16.4201, 9.9728, 31.1978



26.5640, 14.1805, 55.3090



18.5633, 11.2842, 21.9696



6.3166, 6.2491, 7.8022



10.7738, 5.0051, 25.3059



0.1924, 0.0910, 0.3798

Previews

White Background



This preview shows how the XYZ color 15.4380, 24.7833, 7.8409 looks on a white 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

Black Background



This preview shows how the XYZ color 15.4380, 24.7833, 7.8409 looks on a black 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

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

XYZ 15.4380, 24.7833, 7.8409

Background



This preview shows how black text looks on a background with the XYZ color 15.4380, 24.7833, 7.8409.



This preview shows how white text looks on a background with the XYZ color 15.4380, 24.7833,

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

15.4380, 24.7833, 7.8409

Protanopia

22.1865, 24.4356, 6.7960

Deuteranopia

24.7120, 24.2862, 8.2357



Tritanopia

20.7759, 24.6081, 34.6652

Trichromacy



Original Color

15.4380, 24.7833, 7.8409

Protanomaly

18.7963, 23.9723, 7.1265

Deuteranomaly

19.9225, 23.6648, 7.9326

Tritanomaly

18.0779, 24.4235, 21.2142

Monochromacy



Original Color

15.4380, 24.7833, 7.8409

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.2346, 20.3689, 14.3852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4380, 24.7833, 7.8409 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(80, 153, 57)` looks like.

```
.text, #text, p{  
    color:rgb(80, 153, 57)  
}
```

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(80, 153, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 153, 57) }
```

Border

The CSS property to change the border of an element to XYZ 15.4380, 24.7833, 7.8409 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(80, 153, 57) }
```


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

```
.border{ border-color:rgb(80, 153, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 153, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 153, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 153, 57);  
box-shadow:4px 4px 4px 4px rgb(80, 153,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4380, 24.7833, 7.8409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 153, 57) }
```

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

```
.background{ background-color: rgb(80, 153,  
57) }
```

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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