

Converting Colors

XYZ(15.5097, 25.8710, 8.8700)

Have a look what the booklet for
XYZ(15.5097, 25.8710, 8.8700)
contains.

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Color

**XYZ(15.4800, 25.7749,
8.8618)**

Conversions

Conversions Part 1

Format	Color
Hex	469D3F
RGB	70, 157, 63
RGB Percent	27%, 62%, 25%
CMY	0.7255, 0.3843, 0.7529
CMYK	0.55, 0.00, 0.60, 0.38
HSL	116°, 43%, 43%
HSV	116°, 60%, 62%
XYZ	15.4800, 25.7749, 8.8618
YIQ	120.2710, -21.6780, -47.6780

Conversions

Conversions Part 2

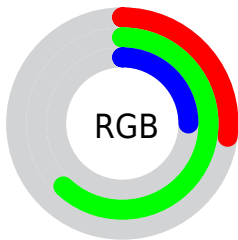
Format	Color
RYB	63, 157, 150
Decimal	4627775
CIELab	57.82, -45.15, 40.61
CIElCh	58, 60.723, 138.031
Yxy	25.7749, 0.3089, 0.5143
Android (android.graphics.Color)	4282817855 (0xFF469D3F)
YUV	120.2710, -28.2346, -44.0877
Hunter-Lab	50.7690, -34.4192, 25.1891

Details

The XYZ color **15.4800, 25.7749, 8.8618** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **20.4422, 12.4742, 33.2299**, and the grayscale version is **18.0327, 18.9718, 20.6603**.

A 20% lighter version of the original color is **35.1849, 52.7375, 24.2445**, and **5.1009, 10.1229, 1.9435** is the 20% darker color. If you saturate the color by 10%, you get **14.1781, 25.1482, 6.8282**, and if you desaturate by 10%, it is **17.1620, 26.5846, 11.5674**.

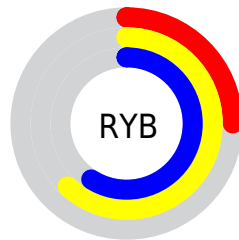
Distribution



Red (27%)

Green (62%)

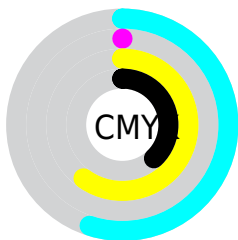
Blue (25%)



Red (25%)

Yellow (62%)

Blue (59%)

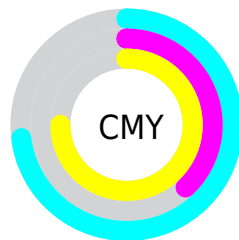


Cyan (55%)

Magenta (0%)

Yellow (60%)

Black (38%)



Cyan (73%)

Magenta (38%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4800, 25.7749, 8.8618 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 15.4800, 25.7749, 8.8618 by changing the saturation by 10% instead.

■ 15.4800, 25.7749,
8.8618

■ 15.4800, 25.7749,
8.8618

219.5847,
281.6753, 192.5235

■ 9.2455, 16.6553,
4.5556

■ 35.2579, 52.9116,
24.2049

■ 4.9600, 9.9890,
1.9348

■ 49.5319, 71.6975,
36.0788

■ 2.2583, 5.3917,
0.5147

■ 67.2164, 94.4742,
51.3123

■ 0.7732, 2.4789,
0.0000

■ 88.6769, 121.6263,
70.3240

■ 0.0000, 0.8660,
0.0000

■ 114.2786,
153.5381, 93.5325

■ 0.0000, 0.0000,
0.0000

144.3869,

190.5939, 121.3562

179.3671,
233.1782, 154.2137

■ 15.4800, 25.7749,
8.8618

■ 15.4800, 25.7749,
8.8618

■ 14.1781, 25.1482,
6.8282

■ 17.1620, 26.5846,
11.5674

■ 13.2248, 24.6872,
5.4064

■ 19.2486, 27.5866,
14.9951

■ 12.5867, 24.3771,
4.5282

■ 21.7645, 28.7933,
19.1920

■ 12.2085, 24.1926,
4.0320

■ 24.7319, 30.2153,
24.2010

■ 12.2048, 24.1909,
4.0260

■ 28.1714, 31.8622,
30.0617

■ 32.1024, 33.7434,
36.8111

■ 36.5431, 35.8675,
44.4840

■ 41.5110, 38.2427,
53.1134

■ 47.0225, 40.8768,
62.7306

Harmonies

Analogous

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



20.4084, 25.7749, 4.5768



15.4800, 25.7749, 8.8618



13.1799, 25.7749, 20.5314

Triad

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



15.4800, 25.7749, 8.8618



21.7032, 25.7749, 88.5505



40.4012, 25.7749, 17.3771

Complementary

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



15.4800, 25.7749, 8.8618



20.4422, 12.4742, 33.2299

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.



40.9394, 25.7749, 37.2459



15.4800, 25.7749, 8.8618



29.1010, 25.7749, 86.2065

Square

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



15.4800, 25.7749, 8.8618



16.2652, 25.7749, 69.7750



36.4757, 25.7749, 64.4067



35.1252, 25.7749, 7.5407

Rectangle

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



15.4800, 25.7749, 8.8618



13.0695, 25.7749, 34.0585



36.4757, 25.7749, 64.4067



41.1755, 25.7749, 22.8186

Sweetspot

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



15.4806, 25.7760, 8.8624



45.1744, 54.5337, 44.8402



25.5768, 29.0759, 8.9672



9.5963, 11.8350, 9.2831



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.4806, 25.7760, 8.8624



24.7222, 44.7133, 11.2141



16.5142, 26.1345, 16.7886



6.5942, 7.4235, 7.0710



9.9256, 19.6536, 3.2704



0.1894, 0.3575, 0.0590

Inverse Universe

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



20.4422, 12.4742, 33.2299



34.3769, 18.6437, 58.9135



18.9431, 12.0278, 18.4117



6.8554, 6.7294, 8.3443



14.4848, 6.8962, 26.4749



0.2720, 0.1300, 0.4740

Previews

White Background



This preview shows how the XYZ color 15.4800, 25.7749, 8.8618 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 15.4800, 25.7749, 8.8618 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 15.4800, 25.7749, 8.8618

Background



This preview shows how black text looks on a background with the XYZ color 15.4800, 25.7749, 8.8618.



This preview shows how white text looks on a background with the XYZ color 15.4800, 25.7749,

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

15.4800, 25.7749, 8.8618

Protanopia

23.1534, 25.3424, 7.5421

Deuteranopia

25.7994, 25.2208, 9.3027



Tritanopia

21.0061, 25.5948, 36.6340

Trichromacy



Original Color

15.4800, 25.7749, 8.8618



Protanomaly

19.0832, 24.7775, 7.9144



Deuteranomaly

20.2227, 24.2297, 8.9211



Tritanomaly

18.2720, 25.4275, 23.0137

Monochromacy



Original Color

15.4800, 25.7749, 8.8618



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.1191, 20.5007, 14.9118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4800, 25.7749, 8.8618 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(70, 157, 63)` looks like.

```
.text, #text, p{  
    color:rgb(70, 157, 63)  
}
```

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(70, 157, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 157, 63) }
```

Border

The CSS property to change the border of an element to XYZ 15.4800, 25.7749, 8.8618 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(70, 157, 63) }
```


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

```
.border{ border-color:rgb(70, 157, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 157, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 157, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 157, 63);  
box-shadow:4px 4px 4px 4px rgb(70, 157,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4800, 25.7749, 8.8618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 157, 63) }
```

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

```
.background{ background-color: rgb(70, 157,  
63) }
```

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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