

Converting Colors

XYZ(11.2352, 15.5951, 12.9219)

Have a look what the booklet for
XYZ(11.2352, 15.5951, 12.9219)
contains.

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Color

**XYZ(11.1911, 15.5063,
12.9929)**

Conversions

Conversions Part 1

Format	Color
Hex	45785E
RGB	69, 120, 94
RGB Percent	27%, 47%, 37%
CMY	0.7294, 0.5294, 0.6314
CMYK	0.43, 0.00, 0.22, 0.53
HSL	149°, 27%, 37%
HSV	149°, 43%, 47%
XYZ	11.1911, 15.5063, 12.9929
YIQ	101.7870, -22.0500, -18.8980

Conversions

Conversions Part 2

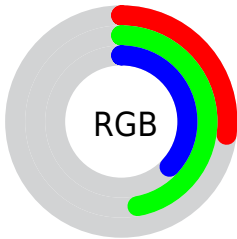
Format	Color
RYB	69, 103, 120
Decimal	4552798
CIELab	46.32, -23.56, 8.98
CIElCh	46, 25.211, 159.123
Yxy	15.5063, 0.2820, 0.3907
Android (android.graphics.Color)	4282742878 (0xFF45785E)
YUV	101.7870, -3.8390, -28.7542
Hunter-Lab	39.3780, -18.1825, 8.0017

Details

The XYZ color **11.1911, 15.5063, 12.9929** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.9399, 9.0759, 11.9495**, and the grayscale version is **12.5879, 13.2434, 14.4221**.

A 20% lighter version of the original color is **27.7233, 35.8938, 31.8526**, and **3.0553, 4.8583, 3.5730** is the 20% darker color. If you saturate the color by 10%, you get **10.1608, 15.0060, 11.5681**, and if you desaturate by 10%, it is **12.4162, 16.1053, 14.5411**.

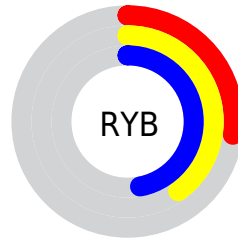
Distribution



Red (27%)

Green (47%)

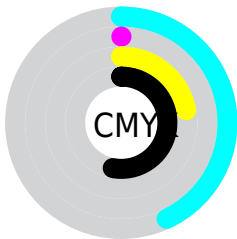
Blue (37%)



Red (27%)

Yellow (40%)

Blue (47%)

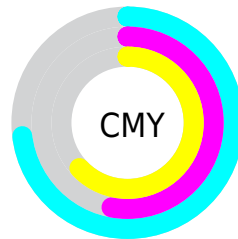


Cyan (43%)

Magenta (0%)

Yellow (22%)

Black (53%)



Cyan (73%)

Magenta (53%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1911, 15.5063, 12.9929 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 11.1911, 15.5063, 12.9929 by changing the saturation by 10% instead.

■ 11.1911, 15.5063,
12.9929

■ 11.1911, 15.5063,
12.9929

192.8553,
226.4106, 222.0784

■ 6.2638, 9.1755,
7.2930

■ 27.6428, 35.7390,
31.9820

■ 3.0483, 4.8558,
3.5648

■ 39.8979, 50.4096,
46.1083

■ 1.1794, 2.1629,
1.3898

■ 55.3263, 68.6290,
63.8805

■ 0.0900, 0.6997,
0.1337

■ 74.2934, 90.7815,
85.7171

■ 0.0000, 0.0000,
0.0000

■ 97.1645, 117.2515,
112.0366

124.3049,

148.4234, 143.2577

156.0801,
184.6817, 179.7987

■ 11.1911, 15.5063,
12.9929

■ 11.1911, 15.5063,
12.9929

■ 10.1608, 15.0060,
11.5681

■ 12.4162, 16.1053,
14.5411

■ 9.3131, 14.5970,
10.2626

■ 13.8450, 16.8063,
16.2146

■ 8.6363, 14.2738,
9.0733


■ 15.4871, 17.6147,
18.0168


■ 8.1167, 14.0292,
7.9969


■ 17.3514, 18.5348,
19.9503


■ 7.7382, 13.8551,
7.0296


■ 19.4459, 19.5710,
22.0179

 7.5016, 13.7474,
6.3719

 21.7787, 20.7273,
24.2222

 24.3571, 22.0073,
26.5658

 27.1882, 23.4147,
29.0510

 30.2788, 24.9529,
31.6804

Harmonies

Analogous

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



12.2719, 15.5063, 9.2404



11.1911, 15.5063, 12.9929



11.0090, 15.5063, 18.8391

Triad

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



11.1911, 15.5063, 12.9929



15.4061, 15.5063, 31.5459



18.1976, 15.5063, 10.4402

Complementary

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



11.1911, 15.5063, 12.9929



11.9399, 9.0759, 11.9495

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.



19.2268, 15.5063, 15.0686



11.1911, 15.5063, 12.9929



17.5148, 15.5063, 27.8835

Square

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



11.1911, 15.5063, 12.9929



13.3084, 15.5063, 30.6000



18.9654, 15.5063, 21.4828



16.2670, 15.5063, 8.0361

Rectangle

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



11.1911, 15.5063, 12.9929



11.4023, 15.5063, 23.3533



18.9654, 15.5063, 21.4828



18.6686, 15.5063, 11.7351

Sweetspot

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



11.1915, 15.5069, 12.9933



26.9871, 30.8561, 31.4190



12.5469, 16.3150, 8.1182



6.2630, 7.2472, 7.3031



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.



11.1915, 15.5069, 12.9933



17.9117, 26.4119, 20.4057



12.5100, 16.0343, 19.9364



4.0251, 4.4797, 4.6662



8.1763, 14.9942, 6.9133



38.5740, 71.3526, 30.7245

Inverse Universe

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



11.9399, 9.0759, 11.9495



19.4141, 13.4987, 18.3083



10.9751, 8.6900, 6.8686



4.0756, 4.0460, 4.5959



9.3671, 4.7230, 5.2240



44.2508, 22.3566, 22.6484

Previews

White Background



This preview shows how the XYZ color 11.1911, 15.5063, 12.9929 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



This preview shows how the XYZ color 11.1911, 15.5063, 12.9929 looks on a 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 11.1911, 15.5063, 12.9929

Background



This preview shows how black text looks on a background with the XYZ color 11.1911, 15.5063, 12.9929.



This preview shows how white text looks on a background with the XYZ color 11.1911, 15.5063,

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

11.1911, 15.5063, 12.9929

Protanopia

14.4743, 15.3716, 11.6553

Deuteranopia

15.5214, 15.2513, 13.4350



Tritanopia

13.0076, 15.5492, 21.7178

Trichromacy



Original Color

11.1911, 15.5063, 12.9929

Protanomaly

12.9390, 15.2182, 12.1530

Deuteranomaly

13.3962, 14.9394, 13.2439

Tritanomaly

12.2226, 15.3933, 18.2466

Monochromacy



Original Color

11.1911, 15.5063, 12.9929

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9372, 14.0118, 13.8798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1911, 15.5063, 12.9929 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(69, 120, 94)` looks like.

```
.text, #text, p{  
    color:rgb(69, 120, 94)  
}
```

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(69, 120, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 120, 94) }
```

Border

The CSS property to change the border of an element to XYZ 11.1911, 15.5063, 12.9929 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(69, 120, 94) }
```


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

```
.border{ border-color:rgb(69, 120, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 120, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 120, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 120, 94);  
box-shadow:4px 4px 4px 4px rgb(69, 120,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1911, 15.5063, 12.9929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 120, 94) }
```

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

```
.background{ background-color: rgb(69, 120,  
94) }
```

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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