

Converting Colors

XYZ(15.5566, 22.9329, 12.5593)

Have a look what the booklet for
XYZ(15.5566, 22.9329, 12.5593)
contains.

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Color

**XYZ(15.5019, 22.8237,
12.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	549157
RGB	84, 145, 87
RGB Percent	33%, 57%, 34%
CMY	0.6706, 0.4314, 0.6588
CMYK	0.42, 0.00, 0.40, 0.43
HSL	123°, 27%, 45%
HSV	123°, 42%, 57%
XYZ	15.5019, 22.8237, 12.6052
YIQ	120.1490, -17.7380, -30.9700

Conversions

Conversions Part 2

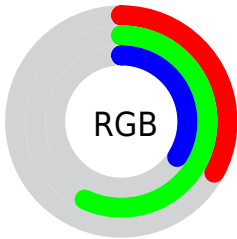
Format	Color
RYB	84, 142, 145
Decimal	5542231
CIELab	54.89, -32.38, 24.75
CIELCh	55, 40.755, 142.607
Yxy	22.8237, 0.3044, 0.4481
Android (android.graphics.Color)	4283732311 (0xFF549157)
YUV	120.1490, -16.3425, -31.7027
Hunter-Lab	47.7742, -25.6846, 17.7983

Details

The XYZ color **15.5019, 22.8237, 12.6052** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.7307, 14.3140, 27.3152**, and the grayscale version is **17.9556, 18.8906, 20.5719**.

A 20% lighter version of the original color is **35.2553, 47.9714, 31.0682**, and **4.9814, 8.4657, 3.3790** is the 20% darker color. If you saturate the color by 10%, you get **13.8255, 22.0191, 9.8621**, and if you desaturate by 10%, it is **17.5558, 23.8117, 15.9286**.

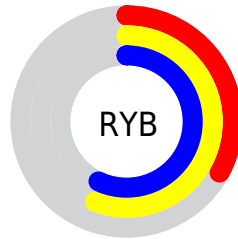
Distribution



Red (33%)

Green (57%)

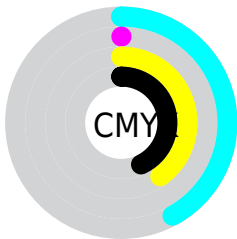
Blue (34%)



Red (33%)

Yellow (56%)

Blue (57%)

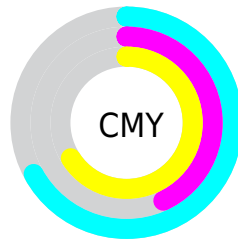


Cyan (42%)

Magenta (0%)

Yellow (40%)

Black (43%)



Cyan (67%)

Magenta (43%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5019, 22.8237, 12.6052 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 15.5019, 22.8237, 12.6052 by changing the saturation by 10% instead.

■ 15.5019, 22.8237,
12.6052

■ 15.5019, 22.8237,
12.6052

219.7130,
266.8182, 219.4899

■ 9.2610, 14.4634,
7.0297

■ 35.2958, 48.1037,
31.2734

■ 4.9703, 8.4437,
3.4020

■ 49.5794, 65.7921,
45.2032

■ 2.2644, 4.3801,
1.3034

■ 67.2747, 87.3588,
62.7548

■ 0.7764, 1.8884,
0.0645

■ 88.7470, 113.1879,
84.3469

■ 0.0000, 0.5414,
0.0000

■ 114.3616,
143.6641, 110.3979

■ 0.0000, 0.0000,
0.0000

144.4839,

179.1716, 141.3264

179.4792,
220.0948, 177.5509

■ 15.5019, 22.8237,
12.6052

■ 15.5019, 22.8237,
12.6052

■ 13.8255, 22.0191,
9.8621

■ 17.5558, 23.8117,
15.9286

■ 12.5020, 21.3841,
7.6646

■ 20.0063, 24.9905,
19.8612

■ 11.5066, 20.9073,
5.9768


■ 22.8735, 26.3704,
24.4320


■ 10.8105, 20.5747,
4.7576

■ 26.1754, 27.9602,
29.6676


■ 10.3803, 20.3701,
3.9598


■ 29.9291, 29.7680,
35.5931

 10.1649, 20.2672,
3.5810

 34.1508, 31.8018,
42.2322

 38.8557, 34.0689,
49.6075

 44.0586, 36.5764,
57.7409

 49.7734, 39.3312,
66.6529

Harmonies

Analogous

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



18.5247, 22.8237, 8.2413



15.5019, 22.8237, 12.6052



14.1736, 22.8237, 21.7877

Triad

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



15.5019, 22.8237, 12.6052



20.5954, 22.8237, 58.5544



30.7336, 22.8237, 16.4675

Complementary

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



15.5019, 22.8237, 12.6052



19.7307, 14.3140, 27.3152

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.



31.4900, 22.8237, 28.1891



15.5019, 22.8237, 12.6052



25.2040, 22.8237, 55.5895

Square

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



15.5019, 22.8237, 12.6052



16.8374, 22.8237, 50.2960



29.3461, 22.8237, 43.2109



27.4030, 22.8237, 9.8708

Rectangle

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



15.5019, 22.8237, 12.6052



14.2771, 22.8237, 30.6815



29.3461, 22.8237, 43.2109



31.3146, 22.8237, 19.8105

Sweetspot

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



15.5025, 22.8247, 12.6057



40.3036, 46.9071, 42.7065



23.0485, 26.7286, 12.3322



8.7274, 10.3201, 9.1207



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.5025, 22.8247, 12.6057



25.0369, 39.5651, 18.1192



16.9657, 23.4100, 20.3112



5.3530, 6.0334, 5.8246



8.7213, 17.3844, 3.0867



0.0851, 0.1669, 0.0385

Inverse Universe

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



19.7307, 14.3140, 27.3152



33.6038, 22.3115, 47.9158



17.7988, 13.5412, 17.1421



5.6150, 5.5065, 6.7364



13.9453, 6.7352, 21.1612



0.1356, 0.0653, 0.2143

Previews

White Background



This preview shows how the XYZ color 15.5019, 22.8237, 12.6052 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 15.5019, 22.8237, 12.6052 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 15.5019, 22.8237, 12.6052

Background



This preview shows how black text looks on a background with the XYZ color 15.5019, 22.8237, 12.6052.



This preview shows how white text looks on a background with the XYZ color 15.5019, 22.8237,

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

15.5019, 22.8237, 12.6052

Protanopia

20.9292, 22.6663, 11.0565

Deuteranopia

22.9757, 22.5079, 13.2587



Tritanopia

19.4431, 22.8883, 31.8269

Trichromacy



Original Color

15.5019, 22.8237, 12.6052

Protanomaly

18.3915, 22.3704, 11.5322

Deuteranomaly

19.3026, 21.9865, 12.8993

Tritanomaly

17.7044, 22.8314, 23.2124

Monochromacy



Original Color

15.5019, 22.8237, 12.6052

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6204, 19.9090, 17.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5019, 22.8237, 12.6052 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(84, 145, 87)` looks like.

```
.text, #text, p{  
    color:rgb(84, 145, 87)  
}
```

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(84, 145, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 145, 87) }
```

Border

The CSS property to change the border of an element to XYZ 15.5019, 22.8237, 12.6052 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(84, 145, 87) }
```


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

```
.border{ border-color:rgb(84, 145, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 145, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 145, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 145, 87);  
box-shadow:4px 4px 4px 4px rgb(84, 145,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5019, 22.8237, 12.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 145, 87) }
```

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

```
.background{ background-color: rgb(84, 145,  
87) }
```

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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