

Converting Colors

XYZ(15.8320, 22.9899, 12.9042)

Have a look what the booklet for
XYZ(15.8320, 22.9899, 12.9042)
contains.

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Color

**XYZ(15.8173, 22.9816,
12.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	579158
RGB	87, 145, 88
RGB Percent	34%, 57%, 35%
CMY	0.6588, 0.4314, 0.6549
CMYK	0.40, 0.00, 0.39, 0.43
HSL	121°, 25%, 45%
HSV	121°, 40%, 57%
XYZ	15.8173, 22.9816, 12.8348
YIQ	121.1600, -16.2710, -30.0230

Conversions

Conversions Part 2

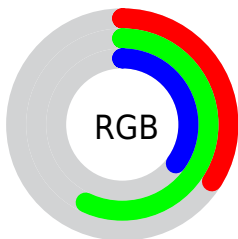
Format	Color
RYB	87, 144, 145
Decimal	5738840
CIELab	55.05, -31.24, 24.44
CIElCh	55, 39.668, 141.962
Yxy	22.9816, 0.3063, 0.4451
Android (android.graphics.Color)	4283928920 (0xFF579158)
YUV	121.1600, -16.3479, -29.9583
Hunter-Lab	47.9391, -24.9982, 17.6836

Details

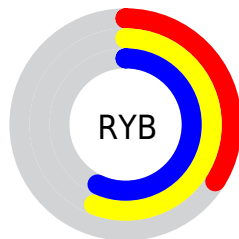
The XYZ color **15.8173, 22.9816, 12.8348** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.1199, 14.8501, 28.1920**, and the grayscale version is **18.2812, 19.2332, 20.9450**.

A 20% lighter version of the original color is **35.7311, 48.1999, 31.8464**, and **5.1305, 8.5406, 3.4759** is the 20% darker color. If you saturate the color by 10%, you get **14.0635, 22.1398, 9.9670**, and if you desaturate by 10%, it is **17.9597, 24.0117, 16.3241**.

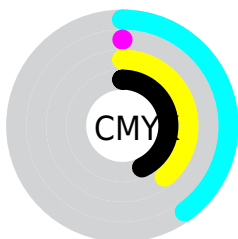
Distribution



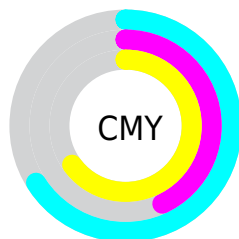
- Red (34%)
- Green (57%)
- Blue (35%)



- Red (34%)
- Yellow (56%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (43%)



- Cyan (66%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8173, 22.9816, 12.8348 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 15.8173, 22.9816, 12.8348 by changing the saturation by 10% instead.

■ 15.8173, 22.9816,
12.8348

■ 15.8173, 22.9816,
12.8348

221.5529,
267.6305, 221.0267

■ 9.4850, 14.5799,
7.1855

■ 35.8408, 48.3631,
31.6935

■ 5.1185, 8.5251,
3.4982

■ 50.2626, 66.1117,
45.7400

■ 2.3524, 4.4327,
1.3543

■ 68.1117, 87.7448,
63.4226

■ 0.8213, 1.9185,
0.1057

■ 89.7533, 113.6467,
85.1599

■ 0.0000, 0.5594,
0.0000

■ 115.5529,
144.2018, 111.3704

■ 0.0000, 0.0000,
0.0000

145.8758,

179.7946, 142.4727

181.0873,
220.8093, 178.8853

■ 15.8173, 22.9816,
12.8348

■ 15.8173, 22.9816,
12.8348

■ 14.0635, 22.1398,
9.9670

■ 17.9597, 24.0117,
16.3241

■ 12.6733, 21.4722,
7.6829

■ 20.5101, 25.2374,
20.4667

■ 11.6217, 20.9676,
5.9428


■ 23.4887, 26.6692,
25.2942


■ 10.8799, 20.6118,
4.7015


■ 26.9141, 28.3160,
30.8356


■ 10.4140, 20.3888,
3.9068


■ 30.8035, 30.1860,
37.1183

 10.1396, 20.2572,
3.4475

 35.1733, 32.2872,
44.1681

 40.0391, 34.6271,
52.0098

 45.4160, 37.2129,
60.6669

 51.3180, 40.0515,
70.1619

Harmonies

Analogous

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



18.8204, 22.9816, 8.5717



15.8173, 22.9816, 12.8348



14.4710, 22.9816, 21.7757

Triad

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



15.8173, 22.9816, 12.8348



20.6779, 22.9816, 57.6334



30.6983, 22.9816, 16.9887

Complementary

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



15.8173, 22.9816, 12.8348



20.1199, 14.8501, 28.1920

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.



31.3713, 22.9816, 28.5782



15.8173, 22.9816, 12.8348



25.1738, 22.9816, 55.0142

Square

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



15.8173, 22.9816, 12.8348



17.0197, 22.9816, 49.4651



29.2332, 22.9816, 43.1882



27.5017, 22.9816, 10.3458

Rectangle

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



15.8173, 22.9816, 12.8348



14.5478, 22.9816, 30.4067



29.2332, 22.9816, 43.1882



31.2430, 22.9816, 20.3156

Sweetspot

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



15.8179, 22.9826, 12.8353



40.7948, 47.1489, 43.2423



23.3541, 26.8724, 12.9729



8.9384, 10.4230, 9.3981



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.



15.8179, 22.9826, 12.8353



25.4687, 39.7839, 18.3143



17.2654, 23.5616, 20.4577



5.3464, 6.0308, 5.7901



8.6977, 17.3749, 2.9623



0.0838, 0.1664, 0.0315

Inverse Universe

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



20.1199, 14.8501, 28.1920



34.2754, 23.1328, 49.7486



18.1823, 14.0750, 17.9886



5.6223, 5.5094, 6.7750



14.2368, 6.8517, 22.6959



0.1369, 0.0658, 0.2214

Previews

White Background



This preview shows how the XYZ color 15.8173, 22.9816, 12.8348 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 15.8173, 22.9816, 12.8348 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 15.8173, 22.9816, 12.8348

Background



This preview shows how black text looks on a background with the XYZ color 15.8173, 22.9816, 12.8348.



This preview shows how white text looks on a background with the XYZ color 15.8173, 22.9816,

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

15.8173, 22.9816, 12.8348

Protanopia

21.0053, 22.6968, 11.4574

Deuteranopia

23.1029, 22.7623, 13.3011



Tritanopia

19.6589, 22.9995, 31.8370

Trichromacy



Original Color

15.8173, 22.9816, 12.8348

Protanomaly

18.6122, 22.4751, 11.9515

Deuteranomaly

19.6359, 22.3557, 13.1777

Tritanomaly

18.0750, 23.0150, 23.5684

Monochromacy



Original Color

15.8173, 22.9816, 12.8348

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.0496, 20.3206, 17.4917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8173, 22.9816, 12.8348 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(87, 145, 88)` looks like.

```
.text, #text, p{  
    color:rgb(87, 145, 88)  
}
```

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(87, 145, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 88) }
```

Border

The CSS property to change the border of an element to XYZ 15.8173, 22.9816, 12.8348 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(87, 145, 88) }
```


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

```
.border{ border-color:rgb(87, 145, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 88);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8173, 22.9816, 12.8348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 88) }
```

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

```
.background{ background-color: rgb(87, 145,  
88) }
```

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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