

Converting Colors

XYZ(12.3211, 29.1188, 6.2541)

Have a look what the booklet for
XYZ(12.3211, 29.1188, 6.2541)
contains.

XYZ(15.5773, 30.7589, 6.4124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.5773, 30.7589,
6.4124)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF1F
RGB	0, 175, 31
RGB Percent	0%, 69%, 12%
CMY	1.0000, 0.3137, 0.8784
CMYK	1.00, 0.00, 0.82, 0.31
HSL	131°, 100%, 34%
HSV	131°, 100%, 69%
XYZ	15.5773, 30.7589, 6.4124
YIQ	106.2590, -58.0760, -81.8840

Conversions

Conversions Part 2

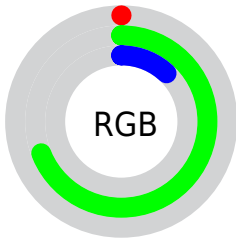
Format	Color
RYB	0, 149, 175
Decimal	44831
CIELab	62.30, -63.89, 57.19
CIELCh	62, 85.751, 138.166
Yxy	30.7589, 0.2953, 0.5831
Android (android.graphics.Color)	4278234911 (0xFF00AF1F)
YUV	106.2590, -37.1027, -93.1891
Hunter-Lab	55.4607, -46.9208, 31.9673

Details

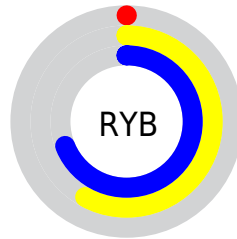
The XYZ color **15.5773, 30.7589, 6.4124** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.7136, 11.1278, 27.3346**, and the grayscale version is **13.8817, 14.6046, 15.9044**.

A 20% lighter version of the original color is **35.4837, 60.9213, 19.3400**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **15.5780, 30.7602, 6.4131**, and if you desaturate by 10%, it is **16.0523, 30.9777, 7.6571**.

Distribution



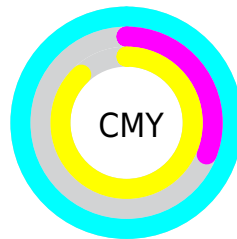
- Red (0%)
- Green (69%)
- Blue (12%)



- Red (0%)
- Yellow (58%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.5773, 30.7589, 6.4124 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 15.5773, 30.7589, 6.4124 by changing the saturation by 10% instead.


 15.5773, 30.7589,
6.4124


 15.5773, 30.7589,
6.4124


220.1541,
305.4260, 172.1291


 9.3145, 20.4153,
3.0246


 35.4262, 60.8603,
19.2733


 5.0056, 12.6973,
1.1072


 49.7430, 81.3869,
29.5835


 2.2854, 7.2204,
0.0000


 67.4752, 106.0766,
43.0382

 0.7872, 3.6003,
0.0000

 88.9881, 135.3139,
60.0561

 0.0000, 1.4526,
0.0000

 114.6471,
169.4830, 81.0555

 0.0000, 0.2550,
0.0000

 144.8175,

 0.0000, 0.0000,

208.9685, 106.4552

0.0000

179.8648,
254.1547, 136.6735

■ 15.5773, 30.7589,
6.4124

■ 15.5773, 30.7589,
6.4124

■ 15.5780, 30.7602,
6.4131

■ 16.0523, 30.9777,
7.6571

■ 16.8343, 31.3427,
9.4107

■ 18.0157, 31.9018,
11.7232

■ 19.6431, 32.6780,
14.6368

■ 21.7565, 33.6911,
18.1897

■ 24.3913, 34.9585,
22.4168

■ 27.5794, 36.4961,
27.3506

■ 31.3505, 38.3186,
33.0213

■ 35.7317, 40.4392,
39.4575

Harmonies

Analogous

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



22.8240, 30.7589, 2.0876



15.5773, 30.7589, 6.4124



12.3997, 30.7589, 22.0345

Triad

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



15.5773, 30.7589, 6.4124



24.8996, 30.7589, 142.8274



55.9301, 30.7589, 17.2748

Complementary

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



15.5773, 30.7589, 6.4124



22.7136, 11.1278, 27.3346

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.



56.9176, 30.7589, 48.3573



15.5773, 30.7589, 6.4124



36.7474, 30.7589, 138.0830

Square

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



15.5773, 30.7589, 6.4124



16.7494, 30.7589, 107.0920



49.1792, 30.7589, 96.6336



46.7584, 30.7589, 4.8950

Rectangle

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



15.5773, 30.7589, 6.4124



12.2604, 30.7589, 43.3983



49.1792, 30.7589, 96.6336



57.3046, 30.7589, 25.2198

Sweetspot

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



15.5780, 30.7602, 6.4131



49.0706, 65.2055, 48.4919



27.1555, 36.7572, 5.6636



10.3596, 14.2287, 9.9378



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.5780, 30.7602, 6.4131



27.8420, 55.0655, 11.1877



18.5220, 31.9378, 21.9161



7.9603, 8.9617, 8.8159



11.1722, 22.0341, 4.6804



0.3277, 0.6197, 0.2191

Inverse Universe

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



22.7136, 11.1278, 27.3346



40.6045, 19.8994, 48.5680



18.4522, 9.4232, 4.8941



8.2753, 8.1234, 9.7603



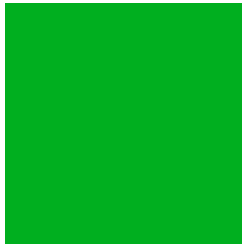
16.2857, 7.9768, 19.6816



0.4688, 0.2282, 0.6302

Previews

White Background



This preview shows how the XYZ color 15.5773, 30.7589, 6.4124 looks on a white background.

Color Contrast Check

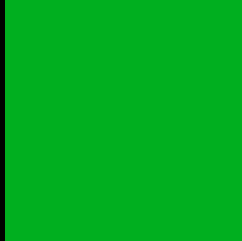
Large Text (above 18pt) WCAG AA × Fail

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 15.5773, 30.7589, 6.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

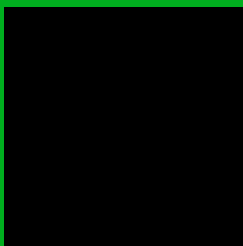
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

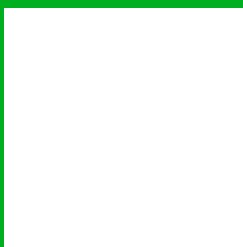
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5773, 30.7589, 6.4124

Background



This preview shows how black text looks on a background with the XYZ color 15.5773, 30.7589, 6.4124.



This preview shows how white text looks on a background with the XYZ color 15.5773, 30.7589,

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

15.5773, 30.7589, 6.4124

Protanopia

27.4334, 30.3137, 5.2694

Deuteranopia

30.7000, 30.1242, 6.9928



Tritanopia

23.6813, 30.7454, 45.7606

Trichromacy



Original Color

15.5773, 30.7589, 6.4124



Protanomaly

18.7803, 28.0636, 5.4639



Deuteranomaly

19.5813, 27.2003, 6.4086



Tritanomaly

18.5206, 29.6483, 23.4855

Monochromacy



Original Color

15.5773, 30.7589, 6.4124



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

11.8423, 17.9904, 10.2455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5773, 30.7589, 6.4124 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(0, 175, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 31)  
}
```

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(0, 175, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 31) }
```

Border

The CSS property to change the border of an element to XYZ 15.5773, 30.7589, 6.4124 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(0, 175, 31) }
```


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

```
.border{ border-color:rgb(0, 175, 31) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 175, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.5773, 30.7589, 6.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 31) }
```

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

```
.background{ background-color: rgb(0, 175,  
31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor