

Converting Colors

XYZ(12.1747, 28.9444, 2.9876)

Have a look what the booklet for
XYZ(12.1747, 28.9444, 2.9876)
contains.

XYZ(15.3300, 30.6599, 5.1100)	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(15.3300, 30.6599,
5.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF00
RGB	0, 175, 0
RGB Percent	0%, 69%, 0%
CMY	1.0000, 0.3137, 0.9999
CMYK	1.00, 0.00, 1.00, 0.31
HSL	120°, 100%, 34%
HSV	120°, 100%, 69%
XYZ	15.3300, 30.6599, 5.1100
YIQ	102.7250, -48.1250, -91.5250

Conversions

Conversions Part 2

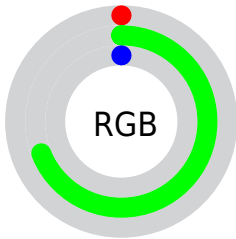
Format	Color
RYB	0, 175, 175
Decimal	44800
CIELab	62.22, -64.98, 62.72
CIELCh	62, 90.315, 136.016
Yxy	30.6599, 0.3000, 0.6000
Android (android.graphics.Color)	4278234880 (0xFF00AF00)
YUV	102.7250, -50.6434, -90.0898
Hunter-Lab	55.3714, -47.4808, 33.2883

Details

The XYZ color **15.3300, 30.6599, 5.1100** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.4169, 12.2092, 41.5696**, and the grayscale version is **12.9595, 13.6344, 14.8479**.

A 20% lighter version of the original color is **35.0564, 60.7626, 16.5373**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **15.3306, 30.6611, 5.1105**, and if you desaturate by 10%, it is **15.6761, 30.8271, 5.6758**.

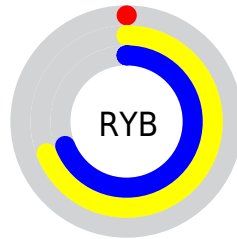
Distribution



Red (0%)

Green (69%)

Blue (0%)



Red (0%)

Yellow (69%)

Blue (69%)

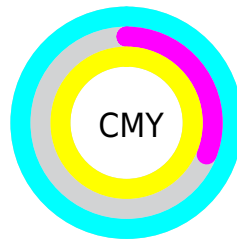


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (100%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3300, 30.6599, 5.1100 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 15.3300, 30.6599, 5.1100 by changing the saturation by 10% instead.

■ 15.3300, 30.6599,
5.1100

■ 15.3300, 30.6599,
5.1100

218.7040,
304.9684, 159.8625

■ 9.1391, 20.3400,
2.2521

■ 34.9980, 60.7042,
16.4981

■ 4.8899, 12.6424,
0.7042

■ 49.2058, 81.1974,
25.8654

■ 2.2169, 7.1828,
0.0000

■ 66.8167, 105.8506,
38.2396

■ 0.7516, 3.5767,
0.0000

■ 88.1960, 135.0480,
54.0392

■ 0.0000, 1.4397,
0.0000

■ 113.7090,
169.1741, 73.6828


■ 0.0000, 0.2457,
0.0000


■ 143.7211,


■ 0.0000, 0.0000,


208.6132, 97.5888


0.0000


 178.5976,
253.7499, 126.1759


 15.3300, 30.6599,
5.1100


 15.3300, 30.6599,
5.1100


 15.3306, 30.6611,
5.1105

 15.6761, 30.8271,
5.6758

 16.3275, 31.1400,
6.7414

 17.4044, 31.6573,
8.5031

 18.9627, 32.4058,
11.0521

 21.0498, 33.4083,
14.4661

■ 23.7075, 34.6849,
18.8131

■ 26.9732, 36.2536,
24.1548

■ 30.8814, 38.1309,
30.5472

■ 35.4638, 40.3321,
38.0423

Harmonies

Analogous

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



23.1458, 30.6599, 1.5101



15.3300, 30.6599, 5.1100



11.8118, 30.6599, 19.6573

Triad

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



15.3300, 30.6599, 5.1100



23.8405, 30.6599, 149.9187



57.9442, 30.6599, 18.0873

Complementary

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



15.3300, 30.6599, 5.1100



25.4169, 12.2092, 41.5696

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.



58.2847, 30.6599, 52.3553



15.3300, 30.6599, 5.1100



36.0919, 30.6599, 148.2495

Square

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



15.3300, 30.6599, 5.1100



15.7158, 30.6599, 108.6309



49.4483, 30.6599, 104.9799



48.6177, 30.6599, 4.6438

Rectangle

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



15.3300, 30.6599, 5.1100



11.5050, 30.6599, 40.9174



49.4483, 30.6599, 104.9799



59.1863, 30.6599, 26.8361

Sweetspot

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



15.3307, 30.6612, 5.1107



47.9734, 64.7666, 42.7144



33.0104, 39.7754, 5.9377



10.1007, 14.1252, 8.5747



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.



15.3307, 30.6612, 5.1107



27.4555, 54.9109, 9.1523



17.0716, 31.3575, 14.2780



7.9045, 8.9394, 8.5223



10.9784, 21.9566, 3.6597



0.3054, 0.6108, 0.1018

Inverse Universe

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



25.4169, 12.2092, 41.5696



45.5188, 21.8652, 74.4465



19.4209, 9.8108, 9.9952



8.3371, 8.1481, 10.0859



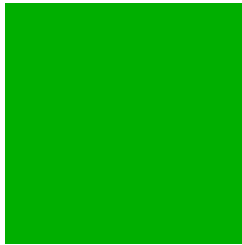
18.2011, 8.7430, 29.7682



0.5063, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 15.3300, 30.6599, 5.1100 looks on a white background.

Color Contrast Check

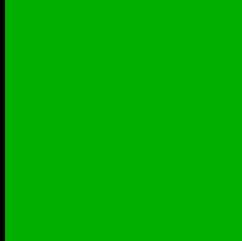
Large Text (above 18pt) WCAG AA × Fail

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 15.3300, 30.6599, 5.1100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

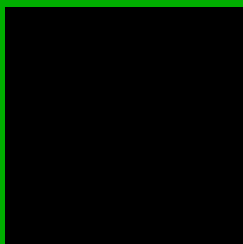
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 15.3300, 30.6599, 5.1100

Background



This preview shows how black text looks on a background with the XYZ color 15.3300, 30.6599, 5.1100.



This preview shows how white text looks on a background with the XYZ color 15.3300, 30.6599,

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

15.3300, 30.6599, 5.1100

Protanopia

27.2685, 30.2477, 4.4012

Deuteranopia

30.7619, 30.1773, 6.0372



Tritanopia

23.6813, 30.7454, 45.7606

Trichromacy



Original Color

15.3300, 30.6599, 5.1100



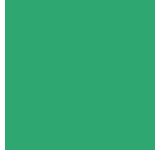
Protanomaly

18.5825, 27.9844, 4.4221



Deuteranomaly

19.4662, 27.1702, 5.0826



Tritanomaly

17.8701, 29.3881, 20.0599

Monochromacy



Original Color

15.3300, 30.6599, 5.1100



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.0804, 17.2521, 7.9002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3300, 30.6599, 5.1100 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 15.3300, 30.6599, 5.1100 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, 0) }
```


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

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

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, 0)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 15.3300, 30.6599, 5.1100 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, 0) }
```

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

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

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