

Converting Colors

XYZ(13.8412, 30.1024, 4.2592)

Have a look what the booklet for
XYZ(13.8412, 30.1024, 4.2592)
contains.

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Color

**XYZ(15.5253, 31.0507,
5.1751)**

Conversions

Conversions Part 1

Format	Color
Hex	00B000
RGB	0, 176, 0
RGB Percent	0%, 69%, 0%
CMY	1.0000, 0.3098, 0.9999
CMYK	1.00, 0.00, 1.00, 0.31
HSL	120°, 100%, 35%
HSV	120°, 100%, 69%
XYZ	15.5253, 31.0507, 5.1751
YIQ	103.3120, -48.4000, -92.0480

Conversions

Conversions Part 2

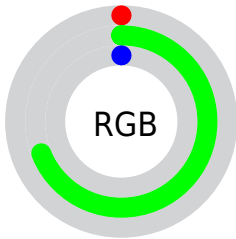
Format	Color
RYB	0, 176, 176
Decimal	45056
CIELab	62.55, -65.26, 62.99
CIELCh	63, 90.697, 136.016
Yxy	31.0507, 0.3000, 0.6000
Android (android.graphics.Color)	4278235136 (0xFF00B000)
YUV	103.3120, -50.9328, -90.6046
Hunter-Lab	55.7232, -47.7828, 33.4998

Details

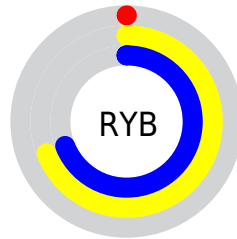
The XYZ color **15.5253, 31.0507, 5.1751** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.7404, 12.3646, 42.0975**, and the grayscale version is **13.1162, 13.7992, 15.0274**.

A 20% lighter version of the original color is **35.3387, 61.3272, 16.6314**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **15.5261, 31.0520, 5.1758**, and if you desaturate by 10%, it is **15.8741, 31.2192, 5.7452**.

Distribution



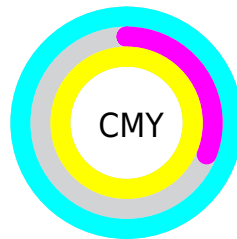
- Red (0%)
- Green (69%)
- Blue (0%)



- 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 15.5253, 31.0507, 5.1751 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 15.5253, 31.0507, 5.1751 by changing the saturation by 10% instead.


 15.5253, 31.0507,
5.1751


 15.5253, 31.0507,
5.1751


219.8500,
306.7718, 160.5070


 9.2776, 20.6375,
2.2898

 35.3363, 61.3199,
16.6402


 4.9812, 12.8593,
0.7255


 49.6302, 81.9446,
26.0570


 2.2709, 7.3317,
0.0000


 67.3370, 106.7420,
38.4882

 0.7797, 3.6704,
0.0000

 88.8218, 136.0963,
54.3521

 0.0000, 1.4909,
0.0000

 114.4502,
170.3921, 74.0675


 0.0000, 0.2823,
0.0000


 144.5875,


 0.0000, 0.0000,


210.0137, 98.0527


0.0000


 179.5989,
255.3455, 126.7264


 15.5253, 31.0507,
5.1751


 15.5253, 31.0507,
5.1751


 15.5261, 31.0520,
5.1758

 15.8741, 31.2192,
5.7452

 16.5325, 31.5355,
6.8224

 17.6220, 32.0588,
8.6048

 19.1994, 32.8165,
11.1849

 21.3125, 33.8315,
14.6415

■ 24.0039, 35.1243,
19.0437

■ 27.3115, 36.7131,
24.4539

■ 31.2703, 38.6147,
30.9289

■ 35.9124, 40.8446,
38.5217

Harmonies

Analogous

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



23.4407, 31.0507, 1.5293



15.5253, 31.0507, 5.1751



11.9623, 31.0507, 19.9079

Triad

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



15.5253, 31.0507, 5.1751



24.1445, 31.0507, 151.8308



58.6829, 31.0507, 18.3176

Complementary

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



15.5253, 31.0507, 5.1751



25.7404, 12.3646, 42.0975

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.



59.0278, 31.0507, 53.0225



15.5253, 31.0507, 5.1751



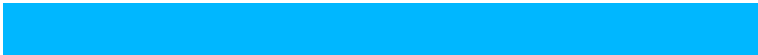
36.5521, 31.0507, 150.1400

Square

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



15.5253, 31.0507, 5.1751



15.9161, 31.0507, 110.0165



50.0788, 31.0507, 106.3183



49.2374, 31.0507, 4.7028

Rectangle

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



15.5253, 31.0507, 5.1751



11.6516, 31.0507, 41.4393



50.0788, 31.0507, 106.3183



59.9410, 31.0507, 27.1779

Sweetspot

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



15.5261, 31.0520, 5.1758



49.1881, 66.4176, 43.7870



33.4312, 40.2825, 6.0133



10.1007, 14.1252, 8.5748



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.



15.5261, 31.0520, 5.1758



28.1580, 56.3158, 9.3866



17.2875, 31.7566, 14.4514



8.3890, 9.4901, 9.0423



11.3913, 22.7825, 3.7975



0.3584, 0.7168, 0.1195

Inverse Universe

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



25.7404, 12.3646, 42.0975



46.6827, 22.4243, 76.3475



19.6668, 9.9351, 10.1140



8.8500, 8.6467, 10.7087



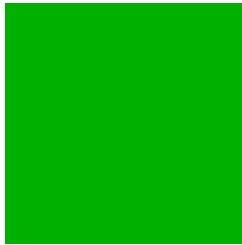
18.8855, 9.0717, 30.8865



0.5942, 0.2854, 0.9719

Previews

White Background



This preview shows how the XYZ color 15.5253, 31.0507, 5.1751 looks on a white background.

Color Contrast Check

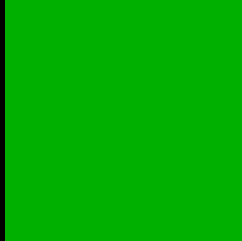
Large Text (above 18pt) WCAG AA × Fail

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 15.5253, 31.0507, 5.1751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

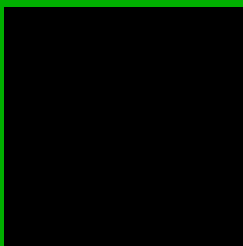
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

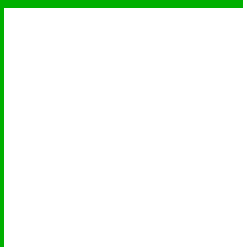
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5253, 31.0507, 5.1751

Background



This preview shows how black text looks on a background with the XYZ color 15.5253, 31.0507, 5.1751.



This preview shows how white text looks on a background with the XYZ color 15.5253, 31.0507,

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

15.5253, 31.0507, 5.1751

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

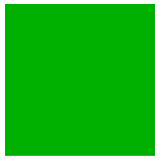
31.1586, 30.6037, 6.0986



Tritanopia

24.0353, 31.1811, 46.3467

Trichromacy



Original Color

15.5253, 31.0507, 5.1751



Protanomaly

18.7551, 28.3298, 4.4797



Deuteranomaly

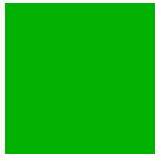
19.6319, 27.5017, 5.1378



Tritanomaly

18.1556, 29.8019, 20.4182

Monochromacy



Original Color

15.5253, 31.0507, 5.1751



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.2128, 17.5169, 7.9444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5253, 31.0507, 5.1751 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, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 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, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.5253, 31.0507, 5.1751 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, 176, 0) }
```


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

```
.border{ border-color:rgb(0, 176, 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, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 176, 0); box-shadow:4px  
4px 4px 4px rgb(0, 176, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5253, 31.0507, 5.1751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 0) }
```

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

```
.background{ background-color: rgb(0, 176,  
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](#).

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