

Converting Colors

XYZ(16.0231, 32.0417, 5.3402)

Have a look what the booklet for
XYZ(16.0231, 32.0417, 5.3402)
contains.

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Color

**XYZ(16.1201, 32.2402,
5.3734)**

Conversions

Conversions Part 1

Format	Color
Hex	00B300
RGB	0, 179, 0
RGB Percent	0%, 70%, 0%
CMY	1.0000, 0.2980, 0.9999
CMYK	1.00, 0.00, 1.00, 0.30
HSL	120°, 100%, 35%
HSV	120°, 100%, 70%
XYZ	16.1201, 32.2402, 5.3734
YIQ	105.0730, -49.2250, -93.6170

Conversions

Conversions Part 2

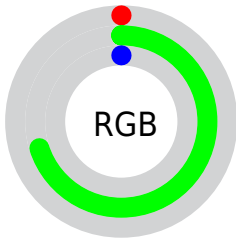
Format	Color
RYB	0, 179, 179
Decimal	45824
CIELab	63.54, -66.08, 63.78
CIELCh	64, 91.841, 136.016
Yxy	32.2402, 0.3000, 0.6000
Android (android.graphics.Color)	4278235904 (0xFF00B300)
YUV	105.0730, -51.8010, -92.1490
Hunter-Lab	56.7805, -48.6892, 34.1354

Details

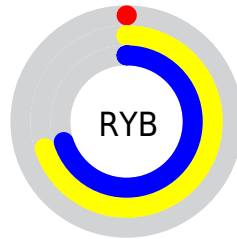
The XYZ color **16.1201, 32.2402, 5.3734** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.7263, 12.8381, 43.7089**, and the grayscale version is **13.5939, 14.3019, 15.5747**.

A 20% lighter version of the original color is **36.3370, 63.1094, 17.1037**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **16.1209, 32.2415, 5.3741**, and if you desaturate by 10%, it is **16.4769, 32.4125, 5.9566**.

Distribution



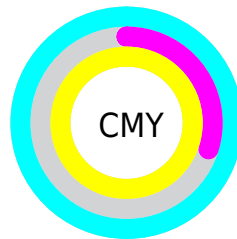
- Red (0%)
- Green (70%)
- Blue (0%)



- Red (0%)
- Yellow (70%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1201, 32.2402, 5.3734 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 16.1201, 32.2402, 5.3734 by changing the saturation by 10% instead.

■ 16.1201, 32.2402,
5.3734

■ 16.1201, 32.2402,
5.3734

223.3058,
312.2120, 162.4478

■ 9.7006, 21.5450,
2.4054

■ 36.3623, 63.1875,
17.0704

■ 5.2616, 13.5230,
0.7894

■ 50.9158, 84.2083,
26.6365

■ 2.4379, 7.7897,
0.0000

■ 68.9112, 109.4399,
39.2391

■ 0.8640, 3.9606,
0.0000

■ 90.7140, 139.2666,
55.2967

■ 0.0000, 1.6516,
0.0000

■ 116.6895,
174.0727, 75.2278


■ 0.0000, 0.3920,
0.0000


■ 147.2031,


■ 0.0000, 0.0000,


214.2427, 99.4510


0.0000


 182.6201,
260.1610, 128.3848


 16.1201, 32.2402,
5.3734

 16.1201, 32.2402,
5.3734


 16.1209, 32.2415,
5.3741

 16.4769, 32.4125,
5.9566

 17.1570, 32.7392,
7.0694

 18.2852, 33.2812,
8.9151

 19.9207, 34.0668,
11.5905

 22.1136, 35.1201,
15.1775

■ 24.9080, 36.4625,
19.7483

■ 28.3438, 38.1128,
25.3680

■ 32.4571, 40.0887,
32.0959

■ 37.2817, 42.4062,
39.9869

Harmonies

Analogous

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



24.3387, 32.2402, 1.5879



16.1201, 32.2402, 5.3734



12.4206, 32.2402, 20.6706

Triad

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



16.1201, 32.2402, 5.3734



25.0694, 32.2402, 157.6464



60.9308, 32.2402, 19.0194

Complementary

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



16.1201, 32.2402, 5.3734



26.7263, 12.8381, 43.7089

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.



61.2889, 32.2402, 55.0537



16.1201, 32.2402, 5.3734



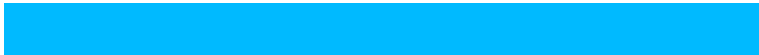
37.9523, 32.2402, 155.8909

Square

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



16.1201, 32.2402, 5.3734



16.5259, 32.2402, 114.2306



51.9971, 32.2402, 110.3908



51.1235, 32.2402, 4.8830

Rectangle

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



16.1201, 32.2402, 5.3734



12.0980, 32.2402, 43.0267



51.9971, 32.2402, 110.3908



62.2370, 32.2402, 28.2191

Sweetspot

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



16.1209, 32.2415, 5.3741



50.4205, 68.0928, 44.8747



34.7119, 41.8256, 6.2436



10.5762, 14.8004, 8.9697



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.1209, 32.2415, 5.3741



28.8708, 57.7414, 9.6243



17.9451, 32.9712, 14.9803



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.



26.7263, 12.8381, 43.7089



47.8641, 22.9918, 78.2781



20.4155, 10.3138, 10.4768



8.8500, 8.6467, 10.7087



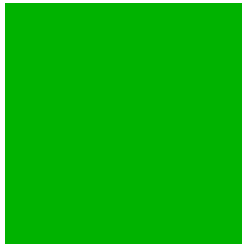
18.8853, 9.0717, 30.8857



0.5942, 0.2854, 0.9719

Previews

White Background



This preview shows how the XYZ color 16.1201, 32.2402, 5.3734 looks on a white background.

Color Contrast Check

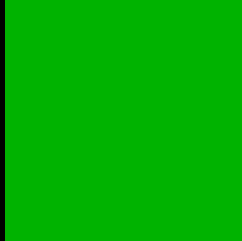
Large Text (above 18pt) WCAG AA × Fail

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 16.1201, 32.2402, 5.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

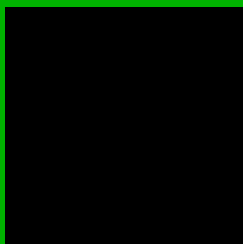
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.1201, 32.2402, 5.3734

Background



This preview shows how black text looks on a background with the XYZ color 16.1201, 32.2402, 5.3734.



This preview shows how white text looks on a background with the XYZ color 16.1201, 32.2402,

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

16.1201, 32.2402, 5.3734

Protanopia

28.4045, 31.5531, 4.5933

Deuteranopia

32.2298, 31.6037, 6.3209



Tritanopia

24.7761, 32.0636, 48.0631

Trichromacy



Original Color

16.1201, 32.2402, 5.3734



Protanomaly

19.2270, 29.0919, 4.6019



Deuteranomaly

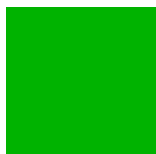
20.2585, 28.3217, 5.3186



Tritanomaly

18.8763, 30.9920, 21.2068

Monochromacy



Original Color

16.1201, 32.2402, 5.3734



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.5791, 18.1011, 8.1938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1201, 32.2402, 5.3734 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, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 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, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.1201, 32.2402, 5.3734 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, 179, 0) }
```


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

```
.border{ border-color:rgb(0, 179, 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, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 179, 0); box-shadow:4px  
4px 4px 4px rgb(0, 179, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1201, 32.2402, 5.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 0) }
```

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

```
.background{ background-color: rgb(0, 179,  
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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