

Converting Colors

XYZ(16.0750, 31.9027, 6.1212)

Have a look what the booklet for
XYZ(16.0750, 31.9027, 6.1212)
contains.

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Color

**XYZ(16.0750, 31.9027,
6.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	00B217
RGB	0, 178, 23
RGB Percent	0%, 70%, 9%
CMY	1.0000, 0.3019, 0.9098
CMYK	1.00, 0.00, 0.87, 0.30
HSL	128°, 100%, 35%
HSV	128°, 100%, 70%
XYZ	16.0750, 31.9027, 6.1212
YIQ	107.1080, -56.3330, -85.9410

Conversions

Conversions Part 2

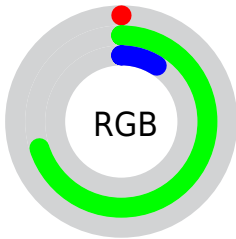
Format	Color
RYB	0, 158, 178
Decimal	45591
CIELab	63.26, -65.14, 60.04
CIELCh	63, 88.591, 137.332
Yxy	31.9027, 0.2971, 0.5897
Android (android.graphics.Color)	4278235671 (0xFF00B217)
YUV	107.1080, -41.4652, -93.9337
Hunter-Lab	56.4825, -48.0430, 33.1123

Details

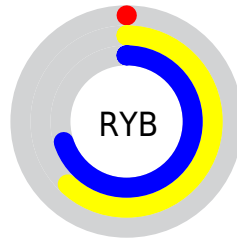
The XYZ color **16.0750, 31.9027, 6.1212** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **24.2768, 11.8317, 32.0120**, and the grayscale version is **14.1287, 14.8645, 16.1874**.

A 20% lighter version of the original color is **36.2383, 62.5981, 18.5602**, and **7.0830, 14.1659, 2.3610** is the 20% darker color. If you saturate the color by 10%, you get **16.0758, 31.9041, 6.1219**, and if you desaturate by 10%, it is **16.5249, 32.1121, 7.2044**.

Distribution



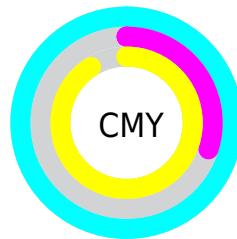
- Red (0%)
- Green (70%)
- Blue (9%)



- Red (0%)
- Yellow (62%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0750, 31.9027, 6.1212 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 16.0750, 31.9027, 6.1212 by changing the saturation by 10% instead.


 16.0750, 31.9027,
6.1212


 16.0750, 31.9027,
6.1212


223.0456,
310.6758, 169.4915


 9.6684, 21.2872,
2.8489


 36.2848, 62.6585,
18.6639


 5.2402, 13.3341,
1.0180


 50.8186, 83.5676,
28.7715


 2.4251, 7.6590,
0.0000


 68.7924, 108.6767,
41.9946

 0.8576, 3.8775,
0.0000

 90.5712, 138.3702,
58.7517

 0.0000, 1.6053,
0.0000

 116.5206,
173.0324, 79.4614

 0.0000, 0.3612,
0.0000

 147.0059,

 0.0000, 0.0000,

213.0479, 104.5422

0.0000

182.3924,
258.8008, 134.4128

■ 16.0750, 31.9027,
6.1212

■ 16.0750, 31.9027,
6.1212

■ 16.0758, 31.9041,
6.1219

■ 16.5249, 32.1121,
7.2044

■ 17.3008, 32.4765,
8.8478

■ 18.5005, 33.0460,
11.1166

■ 20.1744, 33.8454,
14.0653

■ 22.3659, 34.8960,
17.7423

■ 25.1134, 36.2168,
22.1917

■ 28.4517, 37.8247,
27.4540

■ 32.4125, 39.7354,
33.5671

■ 37.0254, 41.9633,
40.5661

Harmonies

Analogous

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



23.8243, 31.9027, 1.9237



16.0750, 31.9027, 6.1212



12.6398, 31.9027, 21.9278

Triad

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



16.0750, 31.9027, 6.1212



25.4381, 31.9027, 151.1238



58.8736, 31.9027, 18.2479

Complementary

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



16.0750, 31.9027, 6.1212



24.2768, 11.8317, 32.0120

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.



59.6502, 31.9027, 51.7579



16.0750, 31.9027, 6.1212



37.9065, 31.9027, 147.3637

Square

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



16.0750, 31.9027, 6.1212



16.9805, 31.9027, 111.8487



51.1840, 31.9027, 103.5850



49.2839, 31.9027, 4.9789

Rectangle

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



16.0750, 31.9027, 6.1212



12.4282, 31.9027, 44.0906



51.1840, 31.9027, 103.5850



60.2509, 31.9027, 26.8090

Sweetspot

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



16.0758, 31.9041, 6.1219



51.2516, 68.4252, 49.2513



29.8719, 39.0341, 5.9599



10.7712, 14.8784, 9.9967



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.



16.0758, 31.9041, 6.1219



29.1050, 57.8351, 10.8573



18.7230, 32.9629, 20.0616



8.4322, 9.5074, 9.2697



11.5155, 22.8322, 4.4516



0.3765, 0.7241, 0.2146

Inverse Universe

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



24.2768, 11.8317, 32.0120



43.9621, 21.4310, 57.7304



19.4115, 9.8856, 6.3915



8.8018, 8.6274, 10.4548



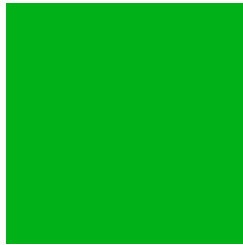
17.3859, 8.4719, 22.9899



0.5601, 0.2718, 0.7923

Previews

White Background



This preview shows how the XYZ color 16.0750, 31.9027, 6.1212 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 16.0750, 31.9027, 6.1212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

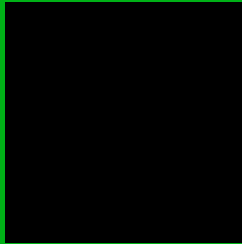
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.0750, 31.9027, 6.1212

Background



This preview shows how black text looks on a background with the XYZ color 16.0750, 31.9027, 6.1212.



This preview shows how white text looks on a background with the XYZ color 16.0750, 31.9027,

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

16.0750, 31.9027, 6.1212

Protanopia

28.3208, 31.2588, 4.9564

Deuteranopia

31.9137, 31.2047, 6.7240



Tritanopia

24.5969, 31.9830, 47.5248

Trichromacy



Original Color

16.0750, 31.9027, 6.1212



Protanomaly

19.1527, 28.7814, 5.0762



Deuteranomaly

20.2329, 28.0419, 6.0153



Tritanomaly

19.0599, 30.7589, 23.3449

Monochromacy



Original Color

16.0750, 31.9027, 6.1212



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0759, 18.5258, 9.7768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0750, 31.9027, 6.1212 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, 178, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 23)  
}
```

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, 178, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.0750, 31.9027, 6.1212 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, 178, 23) }
```


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

```
.border{ border-color:rgb(0, 178, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 178, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.0750, 31.9027, 6.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 23) }
```

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

```
.background{ background-color: rgb(0, 178,  
23) }
```

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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