

Converting Colors

XYZ(16.1342, 30.5813, 6.6190)

Have a look what the booklet for
XYZ(16.1342, 30.5813, 6.6190)
contains.

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Color

**XYZ(16.0463, 30.4206,
6.6161)**

Conversions

Conversions Part 1

Format	Color
Hex	26AD23
RGB	38, 173, 35
RGB Percent	15%, 68%, 14%
CMY	0.8510, 0.3216, 0.8627
CMYK	0.78, 0.00, 0.80, 0.32
HSL	119°, 66%, 41%
HSV	119°, 80%, 68%
XYZ	16.0463, 30.4206, 6.6161
YIQ	116.9030, -36.1620, -71.5380

Conversions

Conversions Part 2

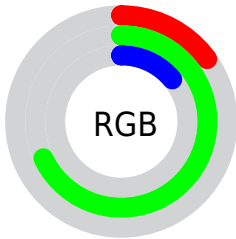
Format	Color
RYB	35, 173, 170
Decimal	2534691
CIELab	62.02, -59.93, 55.88
CIELCh	62, 81.941, 137.002
Yxy	30.4206, 0.3023, 0.5731
Android (android.graphics.Color)	4280724771 (0xFF26AD23)
YUV	116.9030, -40.3782, -69.1979
Hunter-Lab	55.1549, -44.5897, 31.4963

Details

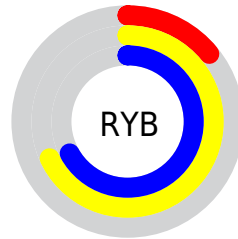
The XYZ color **16.0463, 30.4206, 6.6161** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.7236, 12.7666, 40.6979**, and the grayscale version is **17.0084, 17.8942, 19.4868**.

A 20% lighter version of the original color is **36.3695, 60.5371, 19.6655**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.3619, 30.0914, 5.5583**, and if you desaturate by 10%, it is **17.1424, 30.9492, 8.3554**.

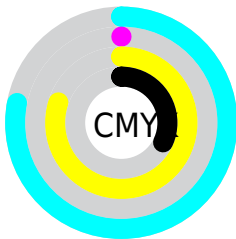
Distribution



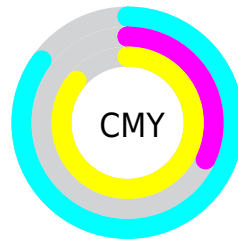
- Red (15%)
- Green (68%)
- Blue (14%)



- Red (14%)
- Yellow (68%)
- Blue (67%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (32%)





- Cyan (85%)
- Magenta (32%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0463, 30.4206, 6.6161 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 16.0463, 30.4206, 6.6161 by changing the saturation by 10% instead.


 16.0463, 30.4206,
6.6161


 16.0463, 30.4206,
6.6161


222.8798,
303.8601, 173.9426


 9.6480, 20.1581,
3.1484


 36.2354, 60.3267,
19.6962


 5.2267, 12.5100,
1.1709


 50.7568, 80.7390,
30.1457


 2.4170, 7.0920,
0.0000


 68.7167, 105.3034,
43.7595

 0.8536, 3.5197,
0.0000

 90.4803, 134.4043,
60.9562

 0.0000, 1.4087,
0.0000

 116.4131,
168.4260, 82.1543

 0.0000, 0.2231,
0.0000

 146.8804,

 0.0000, 0.0000,

207.7529, 107.7724

0.0000

182.2475,
252.7695, 138.2290

■ 16.0463, 30.4206,
6.6161

■ 16.0463, 30.4206,
6.6161

■ 15.3619, 30.0914,
5.5583

■ 17.1424, 30.9492,
8.3554

■ 14.9984, 29.9161,
4.9955

■ 18.6986, 31.6976,
10.8621

■ 14.9912, 29.9126,
4.9836

■ 20.7590, 32.6877,
14.2121

■ 23.3617, 33.9379,
18.4712

■ 26.5414, 35.4647,
23.6992

■ 30.3298, 37.2833,
29.9503

■ 34.7564, 39.4077,
37.2750

■ 39.8486, 41.8512,
45.7204

■ 45.6324, 44.6261,
55.3308

Harmonies

Analogous

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



23.1632, 30.4206, 2.4094



16.0463, 30.4206, 6.6161



12.8216, 30.4206, 21.2883

Triad

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



16.0463, 30.4206, 6.6161



24.4157, 30.4206, 134.0441



54.2027, 30.4206, 18.3880

Complementary

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



16.0463, 30.4206, 6.6161



24.7236, 12.7666, 40.6979

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.



54.7860, 30.4206, 48.6883



16.0463, 30.4206, 6.6161



35.5453, 30.4206, 131.2830

Square

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



16.0463, 30.4206, 6.6161



16.7620, 30.4206, 100.0517



47.2916, 30.4206, 93.9307



45.8565, 30.4206, 5.6458

Rectangle

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



16.0463, 30.4206, 6.6161



12.5997, 30.4206, 41.0641



47.2916, 30.4206, 93.9307



55.3759, 30.4206, 26.2777

Sweetspot

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



16.0470, 30.4219, 6.6168



51.0209, 65.1877, 48.1940



31.6150, 37.1604, 7.0969



10.5912, 13.9283, 9.6543



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.0470, 30.4219, 6.6168



26.9882, 53.6368, 9.1883



17.9090, 31.1544, 16.9755



7.9200, 8.9473, 8.5229



11.0192, 21.9777, 3.6613



0.3116, 0.6140, 0.1021

Inverse Universe

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



24.7236, 12.7666, 40.6979



43.0381, 20.7711, 72.5466



20.5746, 11.1826, 15.4306



8.3196, 8.1391, 10.0852



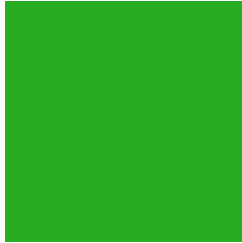
17.6071, 8.4366, 29.7450



0.4951, 0.2374, 0.8277

Previews

White Background



This preview shows how the XYZ color 16.0463, 30.4206, 6.6161 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 16.0463, 30.4206, 6.6161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

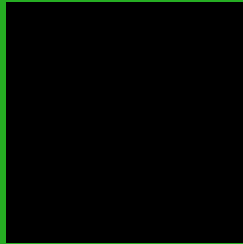
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 16.0463, 30.4206, 6.6161

Background



This preview shows how black text looks on a background with the XYZ color 16.0463, 30.4206, 6.6161.



This preview shows how white text looks on a background with the XYZ color 16.0463, 30.4206,

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

16.0463, 30.4206, 6.6161

Protanopia

26.9056, 29.7991, 5.4961

Deuteranopia

30.3503, 29.7191, 7.1543



Tritanopia

23.6093, 30.2080, 44.6308

Trichromacy



Original Color

16.0463, 30.4206, 6.6161



Protanomaly

20.2199, 28.5457, 5.7405



Deuteranomaly

21.3806, 27.8775, 6.7366



Tritanomaly

19.1446, 29.4303, 23.4105

Monochromacy



Original Color

16.0463, 30.4206, 6.6161



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.6905, 20.6541, 12.2292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0463, 30.4206, 6.6161 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(38, 173, 35)` looks like.

```
.text, #text, p{  
    color:rgb(38, 173, 35)  
}
```

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(38, 173, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 173, 35) }
```

Border

The CSS property to change the border of an element to XYZ 16.0463, 30.4206, 6.6161 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(38, 173, 35) }
```


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

```
.border{ border-color:rgb(38, 173, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 173, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 173, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 173, 35);  
box-shadow:4px 4px 4px 4px rgb(38, 173,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0463, 30.4206, 6.6161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 173, 35) }
```

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

```
.background{ background-color: rgb(38, 173,  
35) }
```

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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