

Converting Colors

XYZ(16.1755, 28.5504, 6.0978)

Have a look what the booklet for
XYZ(16.1755, 28.5504, 6.0978)
contains.

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Color

**XYZ(16.1575, 28.5405,
6.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	42A621
RGB	66, 166, 33
RGB Percent	26%, 65%, 13%
CMY	0.7412, 0.3490, 0.8706
CMYK	0.60, 0.00, 0.80, 0.35
HSL	105°, 67%, 39%
HSV	105°, 80%, 65%
XYZ	16.1575, 28.5405, 6.0961
YIQ	120.9380, -16.9070, -62.5630

Conversions

Conversions Part 2

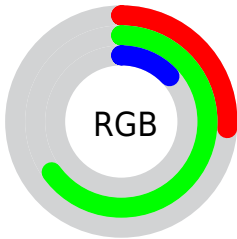
Format	Color
R_{YB}	33, 166, 133
Decimal	4367905
CIE _{Lab}	60.37, -52.22, 55.17
CIE _{LCh}	60, 75.962, 133.427
Yxy	28.5405, 0.3181, 0.5619
Android (android.graphics.Color)	4282557985 (0xFF42A621)
YUV	120.9380, -43.3534, -48.1806
Hunter-Lab	53.4233, -39.5047, 30.6308

Details

The XYZ color **16.1575, 28.5405, 6.0961** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **17.1015, 8.8286, 36.8807**, and the grayscale version is **18.2943, 19.2470, 20.9600**.

A 20% lighter version of the original color is **36.3819, 57.3238, 18.5983**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **15.2290, 28.0832, 5.1242**, and if you desaturate by 10%, it is **17.3856, 29.1407, 7.6816**.

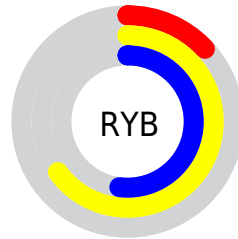
Distribution



Red (26%)

Green (65%)

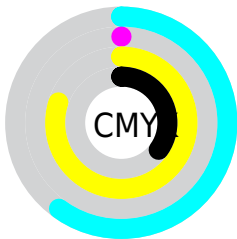
Blue (13%)



Red (13%)

Yellow (65%)

Blue (52%)

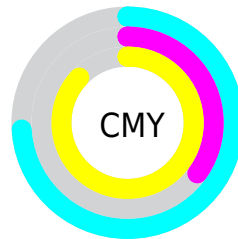


Cyan (60%)

Magenta (0%)

Yellow (80%)

Black (35%)



Cyan (74%)


Magenta (35%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1575, 28.5405, 6.0961 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 16.1575, 28.5405, 6.0961 by changing the saturation by 10% instead.


 16.1575, 28.5405,
6.0961


 16.1575, 28.5405,
6.0961


223.5215,
295.0407, 169.2616


 9.7272, 18.7335,
2.8339


 36.4267, 57.3462,
18.6111


 5.2794, 11.4779,
1.0104


 50.9963, 77.1137,
28.7010


 2.4485, 6.3892,
0.0000


 69.0097, 100.9702,
41.9039

 0.8694, 3.0832,
0.0000

 90.8323, 129.3000,
58.6382

 0.0000, 1.1753,
0.0000

 116.8294,
162.4876, 79.3226

 0.0000, 0.0414,
0.0000

 147.3664,

 0.0000, 0.0000,

200.9173, 104.3756

0.0000

182.8086,
244.9735, 134.2158

■ 16.1575, 28.5405,
6.0961

■ 16.1575, 28.5405,
6.0961

■ 15.2290, 28.0832,
5.1242

■ 17.3856, 29.1407,
7.6816

■ 14.5586, 27.7488,
4.5887

■ 18.9371, 29.8917,
9.9578

■ 20.8355, 30.8052,
12.9924

■ 23.1014, 31.8904,
16.8445

■ 25.7536, 33.1558,
21.5676

■ 28.8096, 34.6095,
27.2103

■ 32.2859, 36.2590,
33.8179

■ 36.1980, 38.1113,
41.4326

■ 40.5605, 40.1730,
50.0941

Harmonies

Analogous

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



22.9960, 28.5405, 2.6273



16.1575, 28.5405, 6.0961



12.8157, 28.5405, 18.1211

Triad

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



16.1575, 28.5405, 6.0961



22.1153, 28.5405, 116.3736



49.7982, 28.5405, 20.1861

Complementary

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



16.1575, 28.5405, 6.0961



17.1015, 8.8286, 36.8807

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.



49.3991, 28.5405, 49.0788



16.1575, 28.5405, 6.0961



31.7250, 28.5405, 118.2267

Square

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



16.1575, 28.5405, 6.0961



15.6468, 28.5405, 84.6437



42.1915, 28.5405, 88.7824



43.1779, 28.5405, 6.8287

Rectangle

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



16.1575, 28.5405, 6.0961



12.3682, 28.5405, 34.4022



42.1915, 28.5405, 88.7824



50.5208, 28.5405, 27.9709

Sweetspot

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



16.1582, 28.5417, 6.0967



49.7919, 61.6256, 44.7392



24.3550, 24.9249, 4.9666



10.7219, 13.5905, 9.2380



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.1582, 28.5417, 6.0967



26.6771, 50.4857, 8.5877



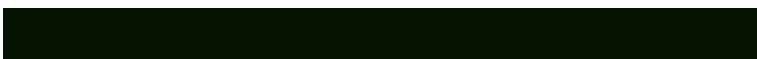
15.2551, 27.9934, 9.7930



7.6047, 8.4943, 8.0280



11.3261, 21.5361, 3.5599



0.3206, 0.5472, 0.0887

Inverse Universe

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



17.1015, 8.8286, 36.8807



28.1299, 13.1981, 66.5402



20.4872, 10.8820, 23.1219



7.6574, 7.5715, 9.4762



11.9192, 5.5280, 28.4143



0.3324, 0.1564, 0.6933

Previews

White Background



This preview shows how the XYZ color 16.1575, 28.5405, 6.0961 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1575, 28.5405, 6.0961 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 × Fail

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

XYZ 16.1575, 28.5405, 6.0961

Background



This preview shows how black text looks on a background with the XYZ color 16.1575, 28.5405, 6.0961.



This preview shows how white text looks on a background with the XYZ color 16.1575, 28.5405,

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

16.1575, 28.5405, 6.0961

Protanopia

25.4275, 28.1165, 5.1238

Deuteranopia

28.5148, 27.9203, 6.5756



Tritanopia

23.2106, 28.5599, 40.8485

Trichromacy



Original Color

16.1575, 28.5405, 6.0961

Protanomaly

20.5151, 27.4604, 5.3815

Deuteranomaly

21.6553, 26.8359, 6.2290

Tritanomaly

19.2354, 27.9433, 21.5193

Monochromacy



Original Color

16.1575, 28.5405, 6.0961

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.1157, 21.3793, 12.7284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1575, 28.5405, 6.0961 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(66, 166, 33)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 33)  
}
```

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(66, 166, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 33) }
```

Border

The CSS property to change the border of an element to XYZ 16.1575, 28.5405, 6.0961 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(66, 166, 33) }
```


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

```
.border{ border-color:rgb(66, 166, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 166, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 33);  
box-shadow:4px 4px 4px 4px rgb(66, 166,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1575, 28.5405, 6.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 166, 33) }
```

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

```
.background{ background-color: rgb(66, 166,  
33) }
```

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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