

Converting Colors

XYZ(16.1756, 30.5658, 8.1676)

Have a look what the booklet for
XYZ(16.1756, 30.5658, 8.1676)
contains.

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Color

**XYZ(16.1062, 30.4175,
8.1542)**

Conversions

Conversions Part 1

Format	Color
Hex	1FAD33
RGB	31, 173, 51
RGB Percent	12%, 68%, 20%
CMY	0.8784, 0.3216, 0.8000
CMYK	0.82, 0.00, 0.71, 0.32
HSL	128°, 70%, 40%
HSV	128°, 82%, 68%
XYZ	16.1062, 30.4175, 8.1542
YIQ	116.6340, -45.4700, -68.0460

Conversions

Conversions Part 2

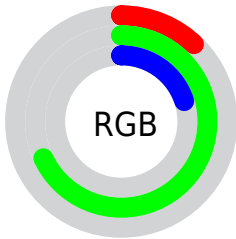
Format	Color
RYB	31, 155, 173
Decimal	2075955
CIELab	62.01, -59.58, 50.20
CIELCh	62, 77.907, 139.880
Yxy	30.4175, 0.2946, 0.5563
Android (android.graphics.Color)	4280266035 (0xFF1FAD33)
YUV	116.6340, -32.3576, -75.1010
Hunter-Lab	55.1521, -44.3883, 29.8405

Details

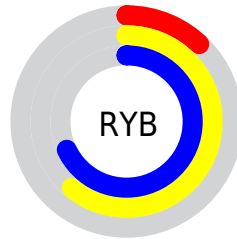
The XYZ color **16.1062, 30.4175, 8.1542** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.4741, 12.1646, 31.2480**, and the grayscale version is **16.9029, 17.7832, 19.3659**.

A 20% lighter version of the original color is **36.3890, 60.4767, 22.8520**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.4413, 30.1076, 6.6778**, and if you desaturate by 10%, it is **17.1568, 30.9159, 10.1968**.

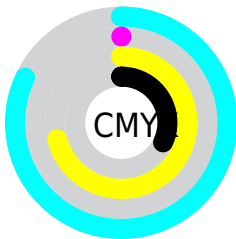
Distribution



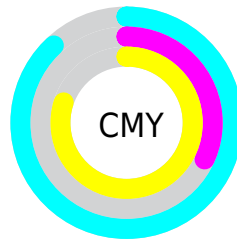
- Red (12%)
- Green (68%)
- Blue (20%)



- Red (12%)
- Yellow (61%)
- Blue (68%)



- Cyan (82%)
- Magenta (0%)
- Yellow (71%)
- Black (32%)





- Cyan (88%)
- Magenta (32%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1062, 30.4175, 8.1542 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 16.1062, 30.4175, 8.1542 by changing the saturation by 10% instead.


 16.1062, 30.4175,
8.1542


 16.1062, 30.4175,
8.1542


223.2257,
303.8457, 186.9161


 9.6907, 20.1557,
4.1046


 36.3384, 60.3218,
22.8113


 5.2550, 12.5083,
1.6829


 50.8858, 80.7331,
34.2559


 2.4339, 7.0908,
0.3490


 68.8746, 105.2963,
49.0026

 0.8621, 3.5190,
0.0000

 90.6700, 134.3959,
67.4699

 0.0000, 1.4083,
0.0000

 116.6375,
168.4163, 90.0764

 0.0000, 0.2228,
0.0000

 147.1423,

 0.0000, 0.0000,

207.7418, 117.2405

0.0000

182.5499,
252.7568, 149.3809

■ 16.1062, 30.4175,
8.1542

■ 16.1062, 30.4175,
8.1542

■ 15.4413, 30.1076,
6.6778

■ 17.1568, 30.9159,
10.1968

■ 15.1129, 29.9559,
5.8700

■ 18.6393, 31.6229,
12.8531

■ 20.5955, 32.5600,
16.1678

■ 23.0616, 33.7450,
20.1807

■ 26.0702, 35.1941,
24.9287

■ 29.6514, 36.9218,
30.4460

■ 33.8328, 38.9419,
36.7646

■ 38.6404, 41.2670,
43.9147

■ 44.0985, 43.9091,
51.9251

Harmonies

Analogous

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



22.6019, 30.4175, 3.1259



16.1062, 30.4175, 8.1542



13.2977, 30.4175, 24.0015

Triad

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



16.1062, 30.4175, 8.1542



25.5218, 30.4175, 128.2190



52.2246, 30.4175, 17.1511

Complementary

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



16.1062, 30.4175, 8.1542



23.4741, 12.1646, 31.2480

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.



53.5481, 30.4175, 44.2959



16.1062, 30.4175, 8.1542



36.2966, 30.4175, 122.0719

Square

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



16.1062, 30.4175, 8.1542



17.7990, 30.4175, 99.4979



47.1606, 30.4175, 85.7681



43.8893, 30.4175, 5.7257

Rectangle

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



16.1062, 30.4175, 8.1542



13.2890, 30.4175, 44.0079



47.1606, 30.4175, 85.7681



53.5702, 30.4175, 24.1938

Sweetspot

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



16.1069, 30.4188, 8.1549



50.8322, 65.0270, 51.0517



28.5312, 36.8642, 6.9081



10.5748, 13.9040, 10.3671



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.



16.1069, 30.4188, 8.1549



27.1298, 53.6797, 10.5579



18.9566, 31.5586, 23.1608



7.9487, 8.9571, 8.7551



11.1154, 22.0115, 4.3817



0.3231, 0.6179, 0.1951

Inverse Universe

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



23.4741, 12.1646, 31.2480



40.5862, 19.8779, 52.3974



19.2883, 10.4902, 9.2057



8.2878, 8.1284, 9.8265



16.6402, 8.1186, 21.5487



0.4760, 0.2311, 0.6682

Previews

White Background



This preview shows how the XYZ color 16.1062, 30.4175, 8.1542 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 16.1062, 30.4175, 8.1542 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 16.1062, 30.4175, 8.1542

Background



This preview shows how black text looks on a background with the XYZ color 16.1062, 30.4175, 8.1542.



This preview shows how white text looks on a background with the XYZ color 16.1062, 30.4175,

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

16.1062, 30.4175, 8.1542

Protanopia

27.1574, 29.8998, 6.8225

Deuteranopia

30.4020, 29.7118, 8.6900



Tritanopia

23.6387, 30.4723, 45.1933

Trichromacy



Original Color

16.1062, 30.4175, 8.1542



Protanomaly

20.2112, 28.5105, 7.1272



Deuteranomaly

21.2082, 27.7551, 8.2425



Tritanomaly

19.5290, 29.8448, 25.8504

Monochromacy



Original Color

16.1062, 30.4175, 8.1542



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.7592, 20.6601, 13.5658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1062, 30.4175, 8.1542 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(31, 173, 51)` looks like.

```
.text, #text, p{  
    color:rgb(31, 173, 51)  
}
```

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(31, 173, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 173, 51) }
```

Border

The CSS property to change the border of an element to XYZ 16.1062, 30.4175, 8.1542 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(31, 173, 51) }
```


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

```
.border{ border-color:rgb(31, 173, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 173, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 173, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 173, 51);  
box-shadow:4px 4px 4px 4px rgb(31, 173,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1062, 30.4175, 8.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 173, 51) }
```

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

```
.background{ background-color: rgb(31, 173,  
51) }
```

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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