

Converting Colors

XYZ(15.4455, 30.2488, 5.5696)

Have a look what the booklet for
XYZ(15.4455, 30.2488, 5.5696)
contains.

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Color

**XYZ(15.3756, 30.0982,
5.5295)**

Conversions

Conversions Part 1

Format	Color
Hex	16AD11
RGB	22, 173, 17
RGB Percent	9%, 68%, 7%
CMY	0.9137, 0.3216, 0.9333
CMYK	0.87, 0.00, 0.90, 0.32
HSL	118°, 82%, 37%
HSV	118°, 90%, 68%
XYZ	15.3756, 30.0982, 5.5295
YIQ	110.0670, -39.9200, -80.5280

Conversions

Conversions Part 2

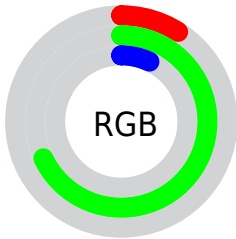
Format	Color
RYB	17, 173, 168
Decimal	1486097
CIELab	61.74, -62.64, 59.97
CIELCh	62, 86.720, 136.249
Yxy	30.0982, 0.3015, 0.5901
Android (android.graphics.Color)	4279676177 (0xFF16AD11)
YUV	110.0670, -45.8820, -77.2348
Hunter-Lab	54.8618, -45.9817, 32.4275

Details

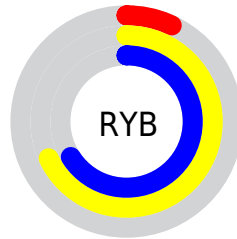
The XYZ color **15.3756, 30.0982, 5.5295** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.8960, 11.7453, 40.5444**, and the grayscale version is **14.9769, 15.7569, 17.1592**.

A 20% lighter version of the original color is **35.1488, 59.9544, 17.5044**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.0134, 29.9241, 4.9846**, and if you desaturate by 10%, it is **16.0645, 30.4321, 6.5644**.

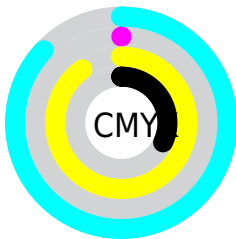
Distribution



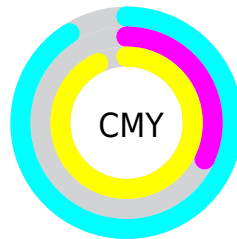
- Red (9%)
- Green (68%)
- Blue (7%)



- Red (7%)
- Yellow (68%)
- Blue (66%)



- Cyan (87%)
- Magenta (0%)
- Yellow (90%)
- Black (32%)





- Cyan (91%)
- Magenta (32%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3756, 30.0982, 5.5295 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 15.3756, 30.0982, 5.5295 by changing the saturation by 10% instead.


 15.3756, 30.0982,
5.5295


 15.3756, 30.0982,
5.5295


218.9721,
302.3619, 163.9529


 9.1714, 19.9131,
2.4970


 35.0770, 59.8174,
17.4067


 4.9112, 12.3319,
0.8386


 49.3050, 80.1204,
27.0886

 2.2295, 6.9702,
0.0000


 66.9383, 104.5648,
39.8239

 0.7582, 3.4434,
0.0000

 88.3423, 133.5350,
56.0314

 0.0000, 1.3674,
0.0000

 113.8823,
167.4154, 76.1295

 0.0000, 0.1925,
0.0000

 143.9237,

 0.0000, 0.0000,

206.5905, 100.5367

0.0000

178.8319,
251.4445, 129.6717

■ 15.3756, 30.0982,
5.5295

■ 15.3756, 30.0982,
5.5295

■ 15.0134, 29.9241,
4.9846

■ 16.0645, 30.4321,
6.5644

■ 17.1580, 30.9591,
8.2747

■ 18.7061, 31.7040,
10.7497

■ 20.7511, 32.6870,
14.0648

■ 23.3306, 33.9260,
18.2863

■ 26.4785, 35.4372,
23.4740

■ 30.2258, 37.2354,
29.6823

■ 34.6014, 39.3345,
36.9620

■ 39.6322, 41.7474,
45.3600

Harmonies

Analogous

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



22.8315, 30.0982, 1.7818



15.3756, 30.0982, 5.5295



12.0019, 30.0982, 19.8579

Triad

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



15.3756, 30.0982, 5.5295



23.6461, 30.0982, 141.5264



55.6684, 30.0982, 18.0002

Complementary

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



15.3756, 30.0982, 5.5295



23.8960, 11.7453, 40.5444

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.



56.0601, 30.0982, 50.3364



15.3756, 30.0982, 5.5295



35.2835, 30.0982, 139.6308

Square

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



15.3756, 30.0982, 5.5295



15.8329, 30.0982, 103.5433



47.8382, 30.0982, 99.3767



46.8797, 30.0982, 4.9519

Rectangle

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



15.3756, 30.0982, 5.5295



11.7214, 30.0982, 40.1956



47.8382, 30.0982, 99.3767



56.8539, 30.0982, 26.3235

Sweetspot

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



15.3763, 30.0995, 5.5302



49.1204, 64.2800, 44.8514



31.3020, 36.8579, 5.9953



10.2276, 13.7548, 9.0074



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.



15.3763, 30.0995, 5.5302



26.8531, 53.5729, 8.9253



17.0129, 30.7426, 14.6673



7.9273, 8.9511, 8.5233



11.0385, 21.9876, 3.6622



0.3146, 0.6155, 0.1022

Inverse Universe

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



23.8960, 11.7453, 40.5444



42.1919, 20.1902, 72.4791



19.7452, 10.2100, 13.0393



8.3114, 8.1348, 10.0848



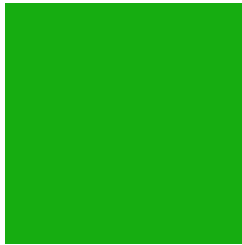
17.3317, 8.2947, 29.7321



0.4898, 0.2347, 0.8275

Previews

White Background



This preview shows how the XYZ color 15.3756, 30.0982, 5.5295 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 15.3756, 30.0982, 5.5295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

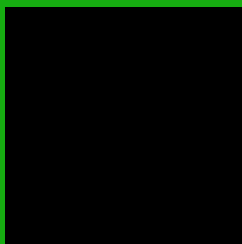
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 15.3756, 30.0982, 5.5295

Background



This preview shows how black text looks on a background with the XYZ color 15.3756, 30.0982, 5.5295.



This preview shows how white text looks on a background with the XYZ color 15.3756, 30.0982,

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

15.3756, 30.0982, 5.5295

Protanopia

26.5263, 29.3953, 4.2758

Deuteranopia

30.0108, 29.3485, 6.0906



Tritanopia

23.2865, 30.0416, 44.6157

Trichromacy



Original Color

15.3756, 30.0982, 5.5295



Protanomaly

19.0293, 27.7045, 4.5169



Deuteranomaly

20.0931, 26.9964, 5.5183



Tritanomaly

18.2969, 29.0354, 21.4697

Monochromacy



Original Color

15.3756, 30.0982, 5.5295



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

12.8339, 18.9166, 9.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3756, 30.0982, 5.5295 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(22, 173, 17)` looks like.

```
.text, #text, p{  
    color:rgb(22, 173, 17)  
}
```

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(22, 173, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 173, 17) }
```

Border

The CSS property to change the border of an element to XYZ 15.3756, 30.0982, 5.5295 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(22, 173, 17) }
```


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

```
.border{ border-color:rgb(22, 173, 17) }
```

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

Here you see how a box with a 4 pixel rgb(22, 173, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 173, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 173, 17);  
box-shadow:4px 4px 4px 4px rgb(22, 173,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3756, 30.0982, 5.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 173, 17) }
```

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

```
.background{ background-color: rgb(22, 173,  
17) }
```

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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