

Converting Colors

XYZ(15.7081, 30.3159, 8.6284)

Have a look what the booklet for
XYZ(15.7081, 30.3159, 8.6284)
contains.

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Color

**XYZ(15.6332, 30.1630,
8.6125)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD37
RGB	0, 173, 55
RGB Percent	0%, 68%, 22%
CMY	1.0000, 0.3216, 0.7843
CMYK	1.00, 0.00, 0.68, 0.32
HSL	139°, 100%, 34%
HSV	139°, 100%, 68%
XYZ	15.6332, 30.1630, 8.6125
YIQ	107.8210, -65.2300, -73.3740

Conversions

Conversions Part 2

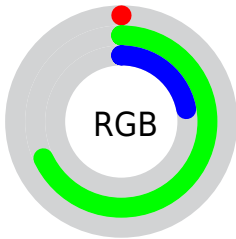
Format	Color
RYB	0, 131, 173
Decimal	44343
CIELab	61.79, -61.37, 48.28
CIELCh	62, 78.083, 141.810
Yxy	30.1630, 0.2873, 0.5544
Android (android.graphics.Color)	4278234423 (0xFF00AD37)
YUV	107.8210, -26.0408, -94.5590
Hunter-Lab	54.9209, -45.3015, 29.1469

Details

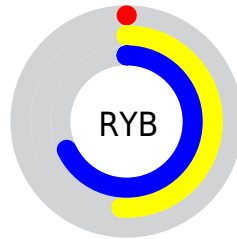
The XYZ color **15.6332, 30.1630, 8.6125** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.5047, 10.1929, 18.0280**, and the grayscale version is **14.2885, 15.0326, 16.3705**.

A 20% lighter version of the original color is **35.5667, 60.0348, 23.6232**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **15.6337, 30.1642, 8.6126**, and if you desaturate by 10%, it is **16.1881, 30.4132, 10.2966**.

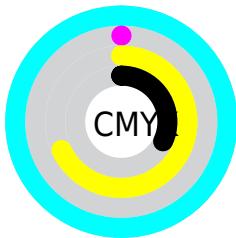
Distribution



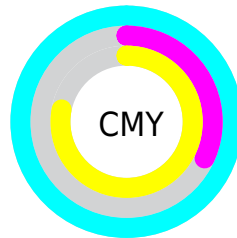
- Red (0%)
- Green (68%)
- Blue (22%)



- Red (0%)
- Yellow (51%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6332, 30.1630, 8.6125 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 15.6332, 30.1630, 8.6125 by changing the saturation by 10% instead.


 15.6332, 30.1630,
8.6125


 15.6332, 30.1630,
8.6125


220.4807,
302.6635, 190.5706


 9.3542, 19.9623,
4.3960


 35.5229, 59.9199,
23.7164


 5.0319, 12.3677,
1.8450


 49.8642, 80.2448,
35.4409


 2.3009, 6.9946,
0.4574


 67.6237, 104.7134,
50.5050

 0.7951, 3.4587,
0.0000

 89.1666, 133.7099,
69.3275

 0.0000, 1.3756,
0.0000

 114.8585,
167.6188, 92.3267

 0.0000, 0.1987,
0.0000

 145.0645,

 0.0000, 0.0000,

206.8244, 119.9213

0.0000

180.1501,
251.7112, 152.5298

■ 15.6332, 30.1630,
8.6125

■ 15.6332, 30.1630,
8.6125

■ 15.6337, 30.1642,
8.6126

■ 16.1881, 30.4132,
10.2966

■ 17.0210, 30.7976,
12.3693

■ 18.2183, 31.3610,
14.8565

■ 19.8216, 32.1245,
17.7797

■ 21.8664, 33.1060,
21.1589

■ 24.3842, 34.3213,
25.0126

■ 27.4035, 35.7847,
29.3584

■ 30.9505, 37.5095,
34.2131

■ 35.0495, 39.5078,
39.5925

Harmonies

Analogous

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



21.8533, 30.1630, 3.1868



15.6332, 30.1630, 8.6125



13.0637, 30.1630, 25.3305

Triad

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



15.6332, 30.1630, 8.6125



25.9096, 30.1630, 128.6109



51.5725, 30.1630, 15.8090

Complementary

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



15.6332, 30.1630, 8.6125



20.5047, 10.1929, 18.0280

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.



53.4123, 30.1630, 41.7094



15.6332, 30.1630, 8.6125



36.7722, 30.1630, 120.0607

Square

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



15.6332, 30.1630, 8.6125



17.9838, 30.1630, 101.6960



47.4667, 30.1630, 82.5997



42.9197, 30.1630, 5.2422

Rectangle

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



15.6332, 30.1630, 8.6125



13.1942, 30.1630, 46.0360



47.4667, 30.1630, 82.5997



53.0803, 30.1630, 22.4462

Sweetspot

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



15.6339, 30.1642, 8.6132



48.7679, 63.9365, 52.1441



22.4454, 33.7554, 5.3326



10.1002, 13.6532, 10.6244



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.



15.6339, 30.1642, 8.6132



27.9115, 53.9859, 14.9677



19.7734, 31.8200, 30.4111



8.0055, 8.9798, 9.0540



11.5083, 22.1686, 6.4503



0.3454, 0.6268, 0.3123

Inverse Universe

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



20.5047, 10.1929, 18.0280



36.6194, 18.2132, 31.7489



17.4913, 8.9875, 2.1597



8.2271, 8.1041, 9.5066



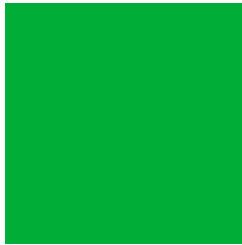
15.0898, 7.4985, 13.3843



0.4432, 0.2180, 0.4955

Previews

White Background



This preview shows how the XYZ color 15.6332, 30.1630, 8.6125 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 15.6332, 30.1630, 8.6125 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 15.6332, 30.1630, 8.6125

Background



This preview shows how black text looks on a background with the XYZ color 15.6332, 30.1630, 8.6125.



This preview shows how white text looks on a background with the XYZ color 15.6332, 30.1630,

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

15.6332, 30.1630, 8.6125

Protanopia

27.0068, 29.8153, 7.1278

Deuteranopia

30.2754, 29.6334, 9.2784



Tritanopia

23.1840, 30.2379, 45.1720

Trichromacy



Original Color

15.6332, 30.1630, 8.6125



Protanomaly

18.7683, 27.7569, 7.5004



Deuteranomaly

19.5969, 26.9122, 8.7191



Tritanomaly

18.8151, 29.4690, 26.1692

Monochromacy



Original Color

15.6332, 30.1630, 8.6125



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.5087, 18.4890, 12.3607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6332, 30.1630, 8.6125 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, 173, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 55)  
}
```

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, 173, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 55) }
```

Border

The CSS property to change the border of an element to XYZ 15.6332, 30.1630, 8.6125 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, 173, 55) }
```


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

```
.border{ border-color:rgb(0, 173, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6332, 30.1630, 8.6125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 55) }
```

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

```
.background{ background-color: rgb(0, 173,  
55) }
```

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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