

Converting Colors

XYZ(9.1001, 27.3214, 6.4077)

Have a look what the booklet for
XYZ(9.1001, 27.3214, 6.4077)
contains.

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Color

**XYZ(15.6333, 30.7813,
6.7075)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF23
RGB	0, 175, 35
RGB Percent	0%, 69%, 14%
CMY	1.0000, 0.3137, 0.8627
CMYK	1.00, 0.00, 0.80, 0.31
HSL	132°, 100%, 34%
HSV	132°, 100%, 69%
XYZ	15.6333, 30.7813, 6.7075
YIQ	106.7150, -59.3600, -80.6400

Conversions

Conversions Part 2

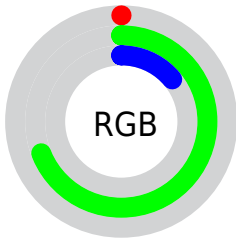
Format	Color
RYB	0, 146, 175
Decimal	44835
CIELab	62.32, -63.65, 56.05
CIELCh	62, 84.808, 138.631
Yxy	30.7813, 0.2943, 0.5794
Android (android.graphics.Color)	4278234915 (0xFF00AF23)
YUV	106.7150, -35.3555, -93.5891
Hunter-Lab	55.4809, -46.7942, 31.6686

Details

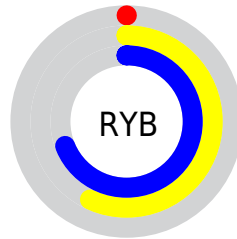
The XYZ color **15.6333, 30.7813, 6.7075** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.4134, 11.0077, 25.7533**, and the grayscale version is **14.0034, 14.7326, 16.0439**.

A 20% lighter version of the original color is **35.5688, 60.9554, 19.7884**, and **6.8374, 13.6747, 2.2791** is the 20% darker color. If you saturate the color by 10%, you get **15.6341, 30.7826, 6.7082**, and if you desaturate by 10%, it is **16.1253, 31.0068, 8.0414**.

Distribution



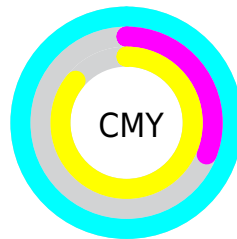
- Red (0%)
- Green (69%)
- Blue (14%)



- Red (0%)
- Yellow (57%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6333, 30.7813, 6.7075 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 15.6333, 30.7813, 6.7075 by changing the saturation by 10% instead.


 15.6333, 30.7813,
6.7075


 15.6333, 30.7813,
6.7075


220.4813,
305.5295, 174.7483


 9.3542, 20.4324,
3.2042


 35.5230, 60.8956,
19.8851


 5.0319, 12.7097,
1.1998


 49.8644, 81.4297,
30.3964


 2.3009, 7.2290,
0.0000


 67.6239, 106.1277,
44.0808

 0.7951, 3.6057,
0.0000

 89.1670, 135.3740,
61.3569

 0.0000, 1.4555,
0.0000

 114.8589,
169.5529, 82.6431

 0.0000, 0.2571,
0.0000

 145.0650,

 0.0000, 0.0000,

209.0489, 108.3581

0.0000

180.1506,
254.2463, 138.9203

■ 15.6333, 30.7813,
6.7075

■ 15.6333, 30.7813,
6.7075

■ 15.6341, 30.7826,
6.7082

■ 16.1253, 31.0068,
8.0414

■ 16.9211, 31.3775,
9.8680

■ 18.1124, 31.9405,
12.2326

■ 19.7450, 32.7188,
15.1733

■ 21.8581, 33.7317,
18.7246

■ 24.4866, 34.9966,
22.9186

■ 27.6619, 36.5291,
27.7846

■ 31.4130, 38.3436,
33.3507

■ 35.7669, 40.4533,
39.6430

Harmonies

Analogous

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



22.7630, 30.7813, 2.2245



15.6333, 30.7813, 6.7075



12.5272, 30.7813, 22.5450

Triad

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



15.6333, 30.7813, 6.7075



25.1219, 30.7813, 141.3618



55.5183, 30.7813, 17.1192

Complementary

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



15.6333, 30.7813, 6.7075



22.4134, 11.0077, 25.7533

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.



56.6335, 30.7813, 47.5684



15.6333, 30.7813, 6.7075



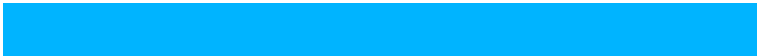
36.8810, 30.7813, 136.0268

Square

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



15.6333, 30.7813, 6.7075



16.9699, 30.7813, 106.7486



49.1191, 30.7813, 94.9686



46.3823, 30.7813, 4.9527

Rectangle

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



15.6333, 30.7813, 6.7075



12.4235, 30.7813, 43.9128



49.1191, 30.7813, 94.9686



56.9182, 30.7813, 24.9046

Sweetspot

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



15.6341, 30.7826, 6.7082



49.2197, 65.2651, 49.2772



26.1463, 36.2369, 5.6164



10.3951, 14.2429, 10.1248



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.6341, 30.7826, 6.7082



27.9367, 55.1034, 11.6865



18.8747, 32.0788, 23.7730



7.9676, 8.9646, 8.8542



11.2138, 22.0508, 4.8998



0.3306, 0.6209, 0.2342

Inverse Universe

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



22.4134, 11.0077, 25.7533



40.0602, 19.6817, 45.7019



18.3111, 9.3668, 4.1512



8.2674, 8.1202, 9.7188



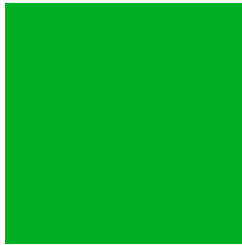
16.0724, 7.8915, 18.5587



0.4643, 0.2264, 0.6070

Previews

White Background



This preview shows how the XYZ color 15.6333, 30.7813, 6.7075 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 15.6333, 30.7813, 6.7075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

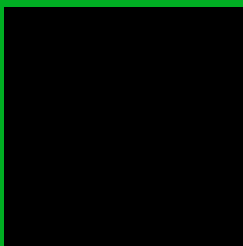
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

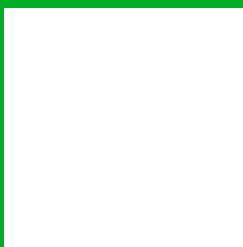
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6333, 30.7813, 6.7075

Background



This preview shows how black text looks on a background with the XYZ color 15.6333, 30.7813, 6.7075.



This preview shows how white text looks on a background with the XYZ color 15.6333, 30.7813,

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

15.6333, 30.7813, 6.7075

Protanopia

27.2766, 30.2262, 5.5590

Deuteranopia

30.7641, 30.1498, 7.3300



Tritanopia

23.6813, 30.7454, 45.7606

Trichromacy



Original Color

15.6333, 30.7813, 6.7075



Protanomaly

18.7089, 28.0210, 5.7189



Deuteranomaly

19.6370, 27.2226, 6.7021



Tritanomaly

18.6471, 29.6989, 24.1517

Monochromacy



Original Color

15.6333, 30.7813, 6.7075



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.1204, 18.3256, 10.6830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6333, 30.7813, 6.7075 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, 175, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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(0, 175, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 35) }
```

Border

The CSS property to change the border of an element to XYZ 15.6333, 30.7813, 6.7075 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, 175, 35) }
```


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

```
.border{ border-color:rgb(0, 175, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 175, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6333, 30.7813, 6.7075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 35) }
```

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

```
.background{ background-color: rgb(0, 175,  
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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