

Converting Colors

XYZ(15.6102, 10.9968, 1.2998)

Have a look what the booklet for
XYZ(15.6102, 10.9968, 1.2998)
contains.

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Color

**XYZ(15.7175, 11.0822,
1.3107)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4300
RGB	156, 67, 0
RGB Percent	61%, 26%, 0%
CMY	0.3882, 0.7372, 1.0000
CMYK	0.00, 0.57, 1.00, 0.39
HSL	26°, 100%, 31%
HSV	26°, 100%, 61%
XYZ	15.7175, 11.0822, 1.3107
YIQ	85.9730, 74.5510, -1.9690

Conversions

Conversions Part 2

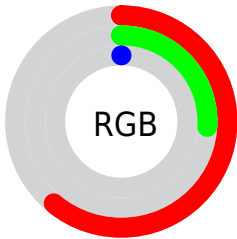
Format	Color
RYB	156, 117, 0
Decimal	10240768
CIELab	39.72, 34.28, 50.23
CIELCh	40, 60.811, 55.691
Yxy	11.0822, 0.5591, 0.3942
Android (android.graphics.Color)	4288430848 (0xFF9C4300)
YUV	85.9730, -42.3847, 61.4137
Hunter-Lab	33.2899, 26.0195, 20.9686

Details

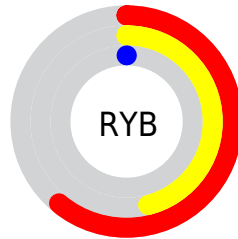
The XYZ color **15.7175, 11.0822, 1.3107** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.5730, 9.5448, 32.7902**, and the grayscale version is **8.9162, 9.3805, 10.2154**.

A 20% lighter version of the original color is **35.6662, 27.7501, 7.0909**, and **5.1302, 2.9423, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **15.7176, 11.0826, 1.3107**, and if you desaturate by 10%, it is **16.3787, 12.2599, 1.9780**.

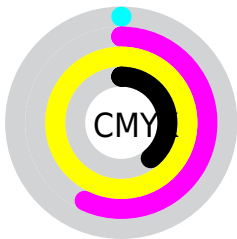
Distribution



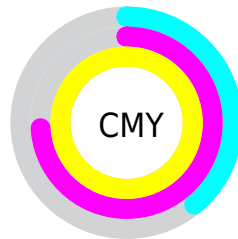
- Red (61%)
- Green (26%)
- Blue (0%)



- Red (61%)
- Yellow (46%)
- Blue (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (100%)
- Black (39%)



- Cyan (39%)
- Magenta (74%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7175, 11.0822, 1.3107 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 15.7175, 11.0822, 1.3107 by changing the saturation by 10% instead.

■ 15.7175, 11.0822,
1.3107

■ 15.7175, 11.0822,
1.3107

■ 220.9722,
198.2306, 110.5391

■ 9.4140, 6.1222,
0.0705

■ 35.6685, 27.8121,
7.0523

■ 5.0715, 2.9195,
0.0000

■ 50.0467, 40.3507,
12.6384

■ 2.3245, 1.0898,
0.0000

■ 67.8473, 56.1843,
20.5929

■ 0.8071, 0.0000,
0.0000

■ 89.4355, 75.6972,
31.3343


■ 0.0000, 0.0000,
0.0000


■ 115.1768, 99.2739,
45.2810


■ 145.4364,


127.2988, 62.8517


 180.5798,
160.1562, 84.4649


 15.7175, 11.0822,
1.3107


 15.7175, 11.0822,
1.3107


 15.7176, 11.0826,
1.3107

 16.3787, 12.2599,
1.9780

 17.1934, 13.6342,
3.0359

 18.1958, 15.2244,
4.6482

 19.4018, 17.0420,
6.8825

 20.8251, 19.0971,
9.7969

■ 22.4779, 21.3991,
13.4423

■ 24.3717, 23.9568,
17.8651

■ 26.5169, 26.7787,
23.1074

■ 28.9233, 29.8725,
29.2087

Harmonies

Analogous

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



19.5138, 11.0822, 4.6094



15.7175, 11.0822, 1.3107



11.1460, 11.0822, 0.5482

Triad

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



15.7175, 11.0822, 1.3107



4.3997, 11.0822, 10.4254



14.3966, 11.0822, 46.7350

Complementary

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



15.7175, 11.0822, 1.3107



9.5730, 9.5448, 32.7902

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.



9.9435, 11.0822, 52.3746



15.7175, 11.0822, 1.3107



4.8431, 11.0822, 24.9759

Square

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



15.7175, 11.0822, 1.3107



5.2102, 11.0822, 3.2109



6.6364, 11.0822, 42.6160



18.6209, 11.0822, 30.1393

Rectangle

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



15.7175, 11.0822, 1.3107



8.5142, 11.0822, 0.6946



6.6364, 11.0822, 42.6160



12.8487, 11.0822, 50.3027

Sweetspot

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



15.7177, 11.0828, 1.3109



44.0486, 43.2224, 31.9284



15.5987, 7.8233, 10.5857



9.3880, 9.1022, 6.3058



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7177, 11.0828, 1.3109



28.3604, 19.7545, 2.3182



23.5328, 26.7129, 3.9159



6.8556, 7.0912, 6.9931



12.9797, 9.1950, 1.0907



0.2733, 0.2468, 0.0332

Inverse Universe

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



9.5730, 9.5448, 32.7902



17.1884, 16.9383, 59.4902



6.1447, 2.6882, 31.6474



6.5830, 7.0318, 8.4170



7.9200, 7.9315, 27.0207



0.1831, 0.2248, 0.4970

Previews

White Background



This preview shows how the XYZ color 15.7175, 11.0822, 1.3107 looks on a white 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

Black Background



This preview shows how the XYZ color 15.7175, 11.0822, 1.3107 looks on a black 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

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

XYZ 15.7175, 11.0822, 1.3107

Background



This preview shows how black text looks on a background with the XYZ color 15.7175, 11.0822, 1.3107.



This preview shows how white text looks on a background with the XYZ color 15.7175, 11.0822,

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

15.7175, 11.0822, 1.3107

Protanopia

10.1223, 11.2831, 2.0963

Deuteranopia

11.2639, 11.2343, 1.5748



Tritanopia

16.8065, 11.1077, 6.4125

Trichromacy



Original Color

15.7175, 11.0822, 1.3107

Protanomaly

11.6155, 10.8040, 1.7603

Deuteranomaly

12.5330, 10.9401, 1.4511

Tritanomaly

16.1559, 11.0021, 3.4626

Monochromacy



Original Color

15.7175, 11.0822, 1.3107

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.0411, 9.2473, 4.8701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7175, 11.0822, 1.3107 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(156, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 67, 0)  
}
```

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(156, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7175, 11.0822, 1.3107 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(156, 67, 0) }
```


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

```
.border{ border-color:rgb(156, 67, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 67, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7175, 11.0822, 1.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 67, 0) }
```

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

```
.background{ background-color: rgb(156, 67,  
0) }
```

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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