

Converting Colors

XYZ(15.7959, 13.7986, 0.0000)

Have a look what the booklet for
XYZ(15.7959, 13.7986, 0.0000)
contains.

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Color

**XYZ(16.1355, 13.8717,
1.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	955B00
RGB	149, 91, 0
RGB Percent	58%, 36%, 0%
CMY	0.4157, 0.6431, 1.0000
CMYK	0.00, 0.39, 1.00, 0.42
HSL	37°, 100%, 29%
HSV	37°, 100%, 58%
XYZ	16.1355, 13.8717, 1.8271
YIQ	97.9680, 63.7790, -16.0050

Conversions

Conversions Part 2

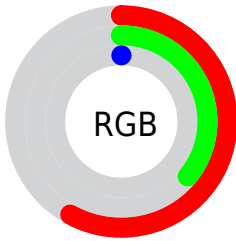
Format	Color
RYB	95, 149, 0
Decimal	9788160
CIELab	44.05, 18.03, 52.33
CIElCh	44, 55.346, 70.993
Yxy	13.8717, 0.5069, 0.4357
Android (android.graphics.Color)	4287978240 (0xFF955B00)
YUV	97.9680, -48.2982, 44.7551
Hunter-Lab	37.2447, 12.1531, 23.1627

Details

The XYZ color **16.1355, 13.8717, 1.8271** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9379, 5.1961, 29.0708**, and the grayscale version is **11.7073, 12.3170, 13.4132**.

A 20% lighter version of the original color is **36.3267, 32.7754, 8.5493**, and **5.3520, 4.1521, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **16.1356, 13.8721, 1.8271**, and if you desaturate by 10%, it is **16.7365, 14.9369, 2.4494**.

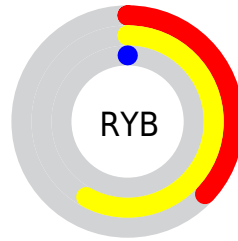
Distribution



Red (58%)

Green (36%)

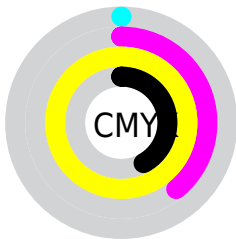
Blue (0%)



Red (37%)

Yellow (58%)

Blue (0%)

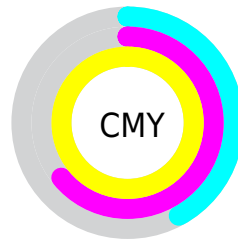


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1355, 13.8717, 1.8271 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 16.1355, 13.8717, 1.8271 by changing the saturation by 10% instead.


 16.1355, 13.8717,
1.8271


 16.1355, 13.8717,
1.8271


 223.3947,
216.4312, 119.6315


 9.7115, 8.0315,
0.4457


 36.3888, 32.8612,
8.5625


 5.2689, 4.1151,
0.0000

 50.9489, 46.7793,
14.8410


 2.4423, 1.7382,
0.0000

 68.9517, 64.1588,
23.6181

 0.8662, 0.4482,
0.0000


 90.7627, 85.3841,
35.3123


 0.0000, 0.0000,
0.0000


 116.7471,
110.8396, 50.3422


 147.2703,


140.9097, 69.1264


 182.6977,
175.9787, 92.0833


 16.1355, 13.8717,
1.8271

 16.1355, 13.8717,
1.8271


 16.1356, 13.8721,
1.8271

 16.7365, 14.9369,
2.4494

 17.4371, 16.1041,
3.4047

 18.2675, 17.3871,
4.8462

 19.2398, 18.7921,
6.8336

 20.3643, 20.3244,
9.4178

■ 21.6502, 21.9889,
12.6438

■ 23.1060, 23.7901,
16.5522

■ 24.7394, 25.7322,
21.1803

■ 26.5575, 27.8192,
26.5626

Harmonies

Analogous

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



20.6543, 13.8717, 4.1352



16.1355, 13.8717, 1.8271



11.6367, 13.8717, 1.6211

Triad

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



16.1355, 13.8717, 1.8271



6.5028, 13.8717, 20.2098



19.5473, 13.8717, 41.7563

Complementary

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



16.1355, 13.8717, 1.8271



6.9379, 5.1961, 29.0708

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.



14.8641, 13.8717, 53.5430



16.1355, 13.8717, 1.8271



7.7756, 13.8717, 37.2164

Square

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



16.1355, 13.8717, 1.8271



6.6957, 13.8717, 8.5088



10.6174, 13.8717, 51.5318



22.9071, 13.8717, 24.4460

Rectangle

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



16.1355, 13.8717, 1.8271



9.2913, 13.8717, 2.4014



10.6174, 13.8717, 51.5318



18.0371, 13.8717, 46.8373

Sweetspot

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



16.1358, 13.8724, 1.8274



41.2115, 42.4006, 29.1781



13.1995, 6.7117, 4.8199



8.9070, 9.1197, 5.8506



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.1358, 13.8724, 1.8274



28.7183, 24.4857, 3.2126



20.5949, 26.5713, 4.0435



6.0778, 6.3694, 6.1495



13.6098, 11.7341, 1.5476



0.1953, 0.2011, 0.0285

Inverse Universe

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



6.9379, 5.1961, 29.0708



12.2609, 8.9775, 52.0079



5.6203, 2.2708, 28.5756



5.6736, 5.9811, 7.3252



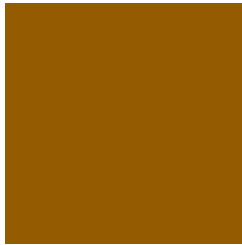
5.8663, 4.4275, 24.4764



0.0990, 0.1085, 0.3086

Previews

White Background



This preview shows how the XYZ color 16.1355, 13.8717, 1.8271 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 16.1355, 13.8717, 1.8271 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 16.1355, 13.8717, 1.8271

Background



This preview shows how black text looks on a background with the XYZ color 16.1355, 13.8717, 1.8271.



This preview shows how white text looks on a background with the XYZ color 16.1355, 13.8717,

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

16.1355, 13.8717, 1.8271

Protanopia

12.5832, 13.9789, 2.3516

Deuteranopia

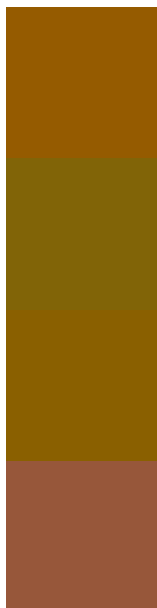
13.9776, 13.8292, 1.9326



Tritanopia

18.0857, 13.9277, 11.6326

Trichromacy



Original Color

16.1355, 13.8717, 1.8271

Protanomaly

13.6488, 13.7968, 2.1447

Deuteranomaly

14.6641, 13.7690, 1.8848

Tritanomaly

16.9344, 13.7012, 5.7550

Monochromacy



Original Color

16.1355, 13.8717, 1.8271

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2978, 12.3141, 6.2861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1355, 13.8717, 1.8271 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(149, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 91, 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(149, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 91, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.1355, 13.8717, 1.8271 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(149, 91, 0) }
```


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

```
.border{ border-color:rgb(149, 91, 0) }
```

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

Here you see how a box with a 4 pixel rgb(149, 91, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.1355, 13.8717, 1.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 91, 0) }
```

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

```
.background{ background-color: rgb(149, 91,  
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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