

Converting Colors

XYZ(19.3159, 13.7491, 1.6358)

Have a look what the booklet for
XYZ(19.3159, 13.7491, 1.6358)
contains.

XYZ(19.3790, 13.8268, 1.6475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.3790, 13.8268,
1.6475)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4C00
RGB	171, 76, 0
RGB Percent	67%, 30%, 0%
CMY	0.3294, 0.7019, 1.0000
CMYK	0.00, 0.56, 1.00, 0.33
HSL	27°, 100%, 34%
HSV	27°, 100%, 67%
XYZ	19.3790, 13.8268, 1.6475
YIQ	95.7410, 81.0160, -3.4960

Conversions

Conversions Part 2

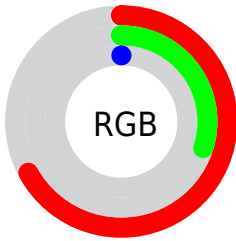
Format	Color
R _Y B	171, 137, 0
Decimal	11226112
CIE Lab	43.98, 35.74, 53.95
CIE LCh	44, 64.714, 56.482
Yxy	13.8268, 0.5560, 0.3967
Android (android.graphics.Color)	4289416192 (0xFFAB4C00)
YUV	95.7410, -47.2003, 66.0021
Hunter-Lab	37.1844, 27.9542, 23.4022

Details

The XYZ color **19.3790, 13.8268, 1.6475** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.4427, 11.1243, 40.0718**, and the grayscale version is **11.1530, 11.7338, 12.7781**.

A 20% lighter version of the original color is **41.9322, 32.7978, 7.9914**, and **6.9249, 4.1183, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **19.3791, 13.8272, 1.6475**, and if you desaturate by 10%, it is **20.1849, 15.2756, 2.4192**.

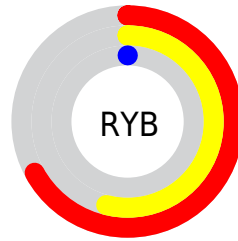
Distribution



Red (67%)

Green (30%)

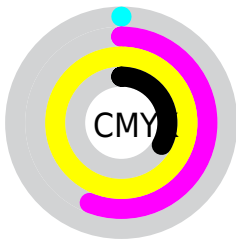
Blue (0%)



Red (67%)

Yellow (54%)

Blue (0%)

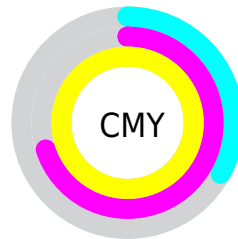


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3790, 13.8268, 1.6475 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 19.3790, 13.8268, 1.6475 by changing the saturation by 10% instead.

■ 19.3790, 13.8268,
1.6475

■ 19.3790, 13.8268,
1.6475

■ 241.4313,
216.1507, 116.6380

■ 12.0501, 8.0003,
0.3244

■ 41.8855, 32.7814,
8.0526

■ 6.8502, 4.0951,
0.0000

■ 57.7938, 46.6783,
14.1027

■ 3.4141, 1.7269,
0.0000

■ 77.2925, 64.0341,
22.6093

■ 1.3763, 0.4410,
0.0000

■ 100.7472, 85.2332,
33.9909

■ 0.2393, 0.0000,
0.0000


■ 128.5230,
110.6600, 48.6660


■ 0.0000, 0.0000,
0.0000


■ 160.9854,


140.6989, 67.0532


 198.4997,
175.7344, 89.5710


 19.3790, 13.8268,
1.6475


 19.3790, 13.8268,
1.6475


 19.3791, 13.8272,
1.6475

 20.1849, 15.2756,
2.4192

 21.1788, 16.9599,
3.6862

 22.4000, 18.9021,
5.6352

 23.8680, 21.1158,
8.3516

 25.5999, 23.6131,
11.9083

■ 27.6108, 26.4052,
16.3696

■ 29.9147, 29.5028,
21.7933

■ 32.5244, 32.9157,
28.2325

■ 35.4520, 36.6534,
35.7363

Harmonies

Analogous

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



24.1013, 13.8268, 5.6421



19.3790, 13.8268, 1.6475



13.7569, 13.8268, 0.7860

Triad

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



19.3790, 13.8268, 1.6475



5.5482, 13.8268, 13.3865



18.0517, 13.8268, 57.1643

Complementary

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



19.3790, 13.8268, 1.6475



11.4427, 11.1243, 40.0718

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.



12.5456, 13.8268, 64.5488



19.3790, 13.8268, 1.6475



6.1403, 13.8268, 31.5006

Square

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



19.3790, 13.8268, 1.6475



6.5122, 13.8268, 4.2203



8.4112, 13.8268, 53.0464



23.2053, 13.8268, 36.6746

Rectangle

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



19.3790, 13.8268, 1.6475



10.5364, 13.8268, 0.9633



8.4112, 13.8268, 53.0464



16.1452, 13.8268, 61.6685

Sweetspot

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



19.3793, 13.8276, 1.6477



53.3426, 52.5287, 38.4680



18.9475, 9.5192, 12.1240



11.5070, 11.1953, 7.6525



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.



19.3793, 13.8276, 1.6477



34.5028, 24.3549, 2.8825



29.2959, 33.6608, 4.9533



8.2873, 8.5793, 8.4326



14.6601, 10.5257, 1.2590



0.4629, 0.4030, 0.0534

Inverse Universe

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



11.4427, 11.1243, 40.0718



20.2781, 19.4927, 71.6956



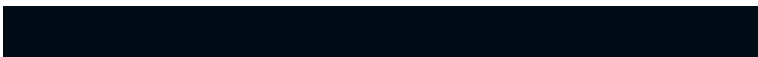
7.4750, 3.1890, 38.7492



7.9339, 8.4672, 10.1689



8.6792, 8.4922, 30.2262



0.2949, 0.3431, 0.8587

Previews

White Background



This preview shows how the XYZ color 19.3790, 13.8268, 1.6475 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 19.3790, 13.8268, 1.6475 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 19.3790, 13.8268, 1.6475

Background



This preview shows how black text looks on a background with the XYZ color 19.3790, 13.8268, 1.6475.



This preview shows how white text looks on a background with the XYZ color 19.3790, 13.8268,

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

19.3790, 13.8268, 1.6475

Protanopia

12.6163, 13.9921, 2.5260

Deuteranopia

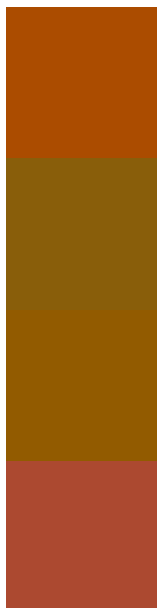
13.9776, 13.8292, 1.9326



Tritanopia

20.7568, 13.8987, 8.2453

Trichromacy



Original Color

19.3790, 13.8268, 1.6475

Protanomaly

14.3740, 13.3457, 2.1055

Deuteranomaly

15.5951, 13.5932, 1.8018

Tritanomaly

19.9293, 13.7491, 4.3998

Monochromacy



Original Color

19.3790, 13.8268, 1.6475

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.5831, 11.6926, 6.0086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3790, 13.8268, 1.6475 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(171, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 76, 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(171, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.3790, 13.8268, 1.6475 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(171, 76, 0) }
```


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

```
.border{ border-color:rgb(171, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3790, 13.8268, 1.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 76, 0) }
```

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

```
.background{ background-color: rgb(171, 76,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor