

Converting Colors

XYZ(19.3745, 13.9097, 1.6637)

Have a look what the booklet for
XYZ(19.3745, 13.9097, 1.6637)
contains.

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Color

**XYZ(19.4485, 13.9657,
1.6706)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4D00
RGB	171, 77, 0
RGB Percent	67%, 30%, 0%
CMY	0.3294, 0.6980, 1.0000
CMYK	0.00, 0.55, 1.00, 0.33
HSL	27°, 100%, 34%
HSV	27°, 100%, 67%
XYZ	19.4485, 13.9657, 1.6706
YIQ	96.3280, 80.7410, -4.0190

Conversions

Conversions Part 2

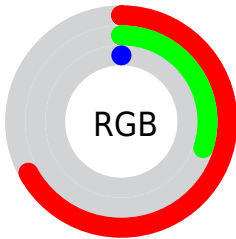
Format	Color
RYB	171, 140, 0
Decimal	11226368
CIELab	44.18, 35.22, 54.07
CIElCh	44, 64.529, 56.917
Yxy	13.9657, 0.5543, 0.3981
Android (android.graphics.Color)	4289416448 (0xFFAB4D00)
YUV	96.3280, -47.4897, 65.4873
Hunter-Lab	37.3707, 27.4964, 23.5090

Details

The XYZ color **19.4485, 13.9657, 1.6706** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.3531, 10.9451, 40.0421**, and the grayscale version is **11.2969, 11.8852, 12.9429**.

A 20% lighter version of the original color is **42.0872, 33.0675, 8.1674**, and **6.9475, 4.1634, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **19.4487, 13.9662, 1.6707**, and if you desaturate by 10%, it is **20.2567, 15.4192, 2.4431**.

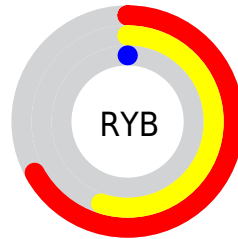
Distribution



Red (67%)

Green (30%)

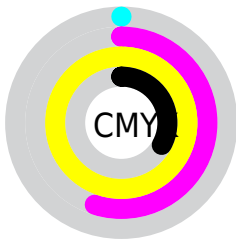
Blue (0%)



Red (67%)

Yellow (55%)

Blue (0%)

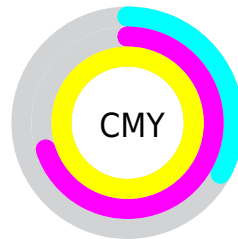


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4485, 13.9657, 1.6706 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 19.4485, 13.9657, 1.6706 by changing the saturation by 10% instead.


 19.4485, 13.9657,
1.6706


 19.4485, 13.9657,
1.6706


 241.8045,
217.0173, 117.0319


 12.1007, 8.0968,
0.3405


 42.0016, 33.0282,
8.1190


 6.8850, 4.1570,
0.0000


 57.9377, 46.9905,
14.1991

 3.4360, 1.7617,
0.0000

 77.4672, 64.4195,
22.7413

 1.3883, 0.4632,
0.0000

 100.9556, 85.6995,
34.1641

 0.2479, 0.0000,
0.0000


 128.7682,
111.2148, 48.8860


 0.0000, 0.0000,
0.0000


 161.2703,


141.3500, 67.3256


 198.8273,
176.4894, 89.9014


 19.4485, 13.9657,
1.6706


 19.4485, 13.9657,
1.6706


 19.4487, 13.9662,
1.6707

 20.2567, 15.4192,
2.4431

 21.2513, 17.1048,
3.7103

 22.4712, 19.0445,
5.6587

 23.9359, 21.2516,
8.3740

 25.6624, 23.7380,
11.9288

■ 27.6656, 26.5149,
16.3875

■ 29.9595, 29.5925,
21.8078

■ 32.5568, 32.9806,
28.2429

■ 35.4694, 36.6883,
35.7416

Harmonies

Analogous

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



24.2105, 13.9657, 5.6398



19.4485, 13.9657, 1.6706



13.8139, 13.9657, 0.8210

Triad

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



19.4485, 13.9657, 1.6706



5.6361, 13.9657, 13.7309



18.2822, 13.9657, 57.1215

Complementary

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



19.4485, 13.9657, 1.6706



11.3531, 10.9451, 40.0421

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.



12.7483, 13.9657, 64.7669



19.4485, 13.9657, 1.6706



6.2556, 13.9657, 32.0037

Square

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



19.4485, 13.9657, 1.6706



6.5839, 13.9657, 4.3826



8.5678, 13.9657, 53.5131



23.4238, 13.9657, 36.5433

Rectangle

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



19.4485, 13.9657, 1.6706



10.5952, 13.9657, 1.0104



8.5678, 13.9657, 53.5131



16.3701, 13.9657, 61.6990

Sweetspot

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



19.4488, 13.9665, 1.6708



53.4241, 52.6917, 38.4952



18.8172, 9.4670, 11.4373



11.5269, 11.2351, 7.6592



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.



19.4488, 13.9665, 1.6708



34.6262, 24.6017, 2.9236



29.7942, 34.6573, 5.1193



8.2911, 8.5870, 8.4338



14.7127, 10.6309, 1.2765



0.4644, 0.4059, 0.0539

Inverse Universe

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



11.3531, 10.9451, 40.0421



20.1177, 19.1719, 71.6421



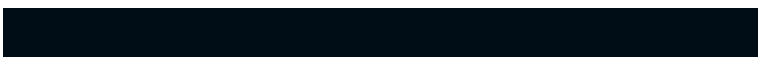
7.4435, 3.1260, 38.7389



7.9301, 8.4595, 10.1676



8.6117, 8.3572, 30.2037



0.2932, 0.3398, 0.8581

Previews

White Background



This preview shows how the XYZ color 19.4485, 13.9657, 1.6706 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 19.4485, 13.9657, 1.6706 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 19.4485, 13.9657, 1.6706

Background



This preview shows how black text looks on a background with the XYZ color 19.4485, 13.9657, 1.6706.



This preview shows how white text looks on a background with the XYZ color 19.4485, 13.9657,

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

19.4485, 13.9657, 1.6706

Protanopia

12.8553, 14.2674, 2.5666

Deuteranopia

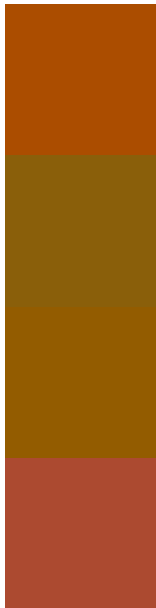
14.2300, 14.1009, 1.9717



Tritanopia

20.8555, 14.0408, 8.4484

Trichromacy



Original Color

19.4485, 13.9657, 1.6706

Protanomaly

14.6282, 13.6096, 2.1431

Deuteranomaly

15.8598, 13.8573, 1.8388

Tritanomaly

19.9955, 13.8816, 4.4218

Monochromacy



Original Color

19.4485, 13.9657, 1.6706

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 19.4485, 13.9657, 1.6706 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, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 77, 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, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4485, 13.9657, 1.6706 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, 77, 0) }
```


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

```
.border{ border-color:rgb(171, 77, 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, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4485, 13.9657, 1.6706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 77, 0) }
```

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

```
.background{ background-color: rgb(171, 77,  
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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