

Converting Colors

XYZ(19.6978, 14.1376, 1.6914)

Have a look what the booklet for
XYZ(19.6978, 14.1376, 1.6914)
contains.

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Color

**XYZ(19.6671, 14.0784,
1.6808)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4D00
RGB	172, 77, 0
RGB Percent	67%, 30%, 0%
CMY	0.3255, 0.6980, 1.0000
CMYK	0.00, 0.55, 1.00, 0.33
HSL	27°, 100%, 34%
HSV	27°, 100%, 67%
XYZ	19.6671, 14.0784, 1.6808
YIQ	96.6270, 81.3370, -3.8070

Conversions

Conversions Part 2

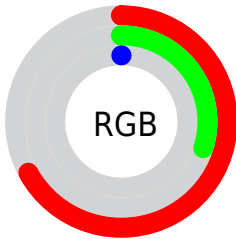
Format	Color
RYB	172, 139, 0
Decimal	11291904
CIELab	44.35, 35.63, 54.24
CIElCh	44, 64.899, 56.704
Yxy	14.0784, 0.5552, 0.3974
Android (android.graphics.Color)	4289481984 (0xFFAC4D00)
YUV	96.6270, -47.6371, 66.1021
Hunter-Lab	37.5212, 27.9004, 23.6089

Details

The XYZ color **19.6671, 14.0784, 1.6808** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.5381, 11.1621, 40.5757**, and the grayscale version is **11.3704, 11.9625, 13.0272**.

A 20% lighter version of the original color is **42.4146, 33.2363, 8.1827**, and **7.0740, 4.2286, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **19.6673, 14.0790, 1.6809**, and if you desaturate by 10%, it is **20.4842, 15.5483, 2.4601**.

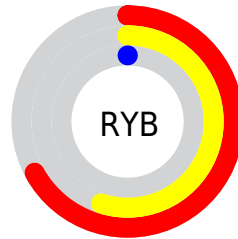
Distribution



Red (67%)

Green (30%)

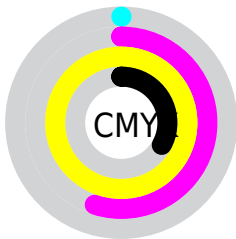
Blue (0%)



Red (67%)

Yellow (55%)

Blue (0%)

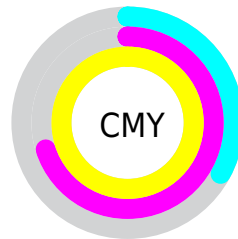


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.6671, 14.0784, 1.6808 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 19.6671, 14.0784, 1.6808 by changing the saturation by 10% instead.


 19.6671, 14.0784,
1.6808


 19.6671, 14.0784,
1.6808


 242.9752,
217.7180, 117.2050


 12.2601, 8.1752,
0.3475


 42.3666, 33.2281,
8.1482


 6.9946, 4.2073,
0.0000


 58.3898, 47.2433,
14.2416


 3.5050, 1.7902,
0.0000

 78.0158, 64.7314,
22.7994

 1.4261, 0.4810,
0.0000

 101.6100, 86.0768,
34.2403

 0.2747, 0.0000,
0.0000


 129.5376,
111.6637, 48.9828


 0.0000, 0.0000,
0.0000


 162.1642,


141.8766, 67.4453


 199.8549,
177.0999, 90.0466


 19.6671, 14.0784,
1.6808


 19.6671, 14.0784,
1.6808


 19.6673, 14.0790,
1.6809

 20.4842, 15.5483,
2.4601

 21.4910, 17.2551,
3.7418

 22.7271, 19.2212,
5.7142

 24.2123, 21.4601,
8.4641

 25.9638, 23.9843,
12.0655

■ 27.9969, 26.8049,
16.5834

■ 30.3257, 29.9325,
22.0766

■ 32.9632, 33.3770,
28.5989

■ 35.9216, 37.1480,
36.2001

Harmonies

Analogous

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



24.4714, 14.0784, 5.7143



19.6671, 14.0784, 1.6808



13.9653, 14.0784, 0.8156

Triad

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



19.6671, 14.0784, 1.6808



5.6657, 14.0784, 13.7380



18.4055, 14.0784, 57.8864

Complementary

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



19.6671, 14.0784, 1.6808



11.5381, 11.1621, 40.5757

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.



12.8134, 14.0784, 65.5020



19.6671, 14.0784, 1.6808



6.2796, 14.0784, 32.1702

Square

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



19.6671, 14.0784, 1.6808



6.6339, 14.0784, 4.3586



8.6014, 14.0784, 53.9780



23.6202, 14.0784, 37.0840

Rectangle

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



19.6671, 14.0784, 1.6808



10.7038, 14.0784, 1.0000



8.6014, 14.0784, 53.9780



16.4713, 14.0784, 62.4872

Sweetspot

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



19.6674, 14.0792, 1.6810



54.7742, 53.9822, 39.4668



19.1926, 9.6424, 12.2734



11.5180, 11.2173, 7.6562



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.



19.6674, 14.0792, 1.6810



35.4665, 25.1151, 2.9784



29.6765, 34.0973, 5.0174



8.2894, 8.5836, 8.4333



14.6891, 10.5837, 1.2687



0.4637, 0.4046, 0.0537

Inverse Universe

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



11.5381, 11.1621, 40.5757



20.7084, 19.8026, 73.5366



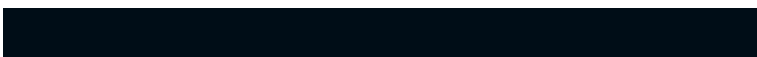
7.5715, 3.2288, 39.2535



7.9318, 8.4630, 10.1682



8.6417, 8.4173, 30.2137



0.2940, 0.3413, 0.8584

Previews

White Background



This preview shows how the XYZ color 19.6671, 14.0784, 1.6808 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 19.6671, 14.0784, 1.6808 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 19.6671, 14.0784, 1.6808

Background



This preview shows how black text looks on a background with the XYZ color 19.6671, 14.0784, 1.6808.



This preview shows how white text looks on a background with the XYZ color 19.6671, 14.0784,

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

19.6671, 14.0784, 1.6808

Protanopia

12.8553, 14.2674, 2.5666

Deuteranopia

14.2300, 14.1009, 1.9717



Tritanopia

21.0774, 14.1552, 8.4588

Trichromacy



Original Color

19.6671, 14.0784, 1.6808

Protanomaly

14.6282, 13.6096, 2.1431

Deuteranomaly

15.8598, 13.8573, 1.8388

Tritanomaly

20.2159, 13.9952, 4.4322

Monochromacy



Original Color

19.6671, 14.0784, 1.6808

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.8378, 11.9452, 6.1865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6671, 14.0784, 1.6808 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(172, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 77, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.6671, 14.0784, 1.6808 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(172, 77, 0) }
```


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

```
.border{ border-color:rgb(172, 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(172, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 77, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.6671, 14.0784, 1.6808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 77, 0) }
```

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

```
.background{ background-color: rgb(172, 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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