

Converting Colors

XYZ(16.9658, 14.6533, 2.1180)

Have a look what the booklet for
XYZ(16.9658, 14.6533, 2.1180)
contains.

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Color

**XYZ(16.9845, 14.6940,
2.1133)**

Conversions

Conversions Part 1

Format	Color
Hex	985E06
RGB	152, 94, 6
RGB Percent	60%, 37%, 2%
CMY	0.4039, 0.6314, 0.9765
CMYK	0.00, 0.38, 0.96, 0.40
HSL	36°, 92%, 31%
HSV	36°, 96%, 60%
XYZ	16.9845, 14.6940, 2.1133
YIQ	101.3100, 62.8160, -15.0720

Conversions

Conversions Part 2

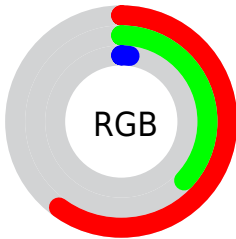
Format	Color
RYB	102, 152, 6
Decimal	9985542
CIELab	45.21, 17.78, 51.79
CIELCh	45, 54.758, 71.051
Yxy	14.6940, 0.5026, 0.4348
Android (android.graphics.Color)	4288175622 (0xFF985E06)
YUV	101.3100, -46.9878, 44.4551
Hunter-Lab	38.3328, 12.0076, 23.5642

Details

The XYZ color **16.9845, 14.6940, 2.1133** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5759, 5.9723, 30.4590**, and the grayscale version is **12.5569, 13.2108, 14.3866**.

A 20% lighter version of the original color is **37.7344, 34.1543, 9.3062**, and **5.7763, 4.5468, 0.5732** is the 20% darker color. If you saturate the color by 10%, you get **16.7431, 14.2640, 1.8708**, and if you desaturate by 10%, it is **17.6473, 15.8528, 2.8492**.

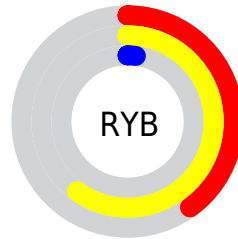
Distribution



Red (60%)

Green (37%)

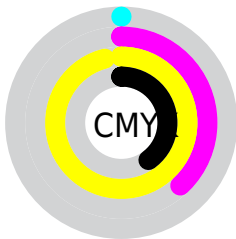
Blue (2%)



Red (40%)

Yellow (60%)

Blue (2%)

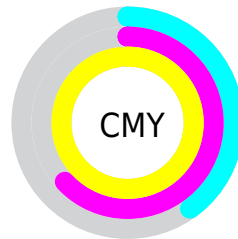


Cyan (0%)

Magenta (38%)

Yellow (96%)

Black (40%)



Cyan (40%)

Magenta (63%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9845, 14.6940, 2.1133 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 16.9845, 14.6940, 2.1133 by changing the saturation by 10% instead.

■ 16.9845, 14.6940,
2.1133

■ 16.9845, 14.6940,
2.1133

228.2410,
221.5065, 124.1120

■ 10.3187, 8.6049,
0.6237

■ 37.8429, 34.3155,
9.3483

■ 5.6746, 4.4844,
0.0000

■ 52.7663, 48.6166,
15.9693

■ 2.6870, 1.9480,
0.0000

■ 71.1728, 66.4239,
25.1506

■ 0.9905, 0.5770,
0.0000

■ 93.4279, 88.1218,
37.3109


■ 0.0000, 0.0000,
0.0000


■ 119.8969,
114.0946, 52.8687


■ 150.9452,


144.7267, 72.2424


 186.9381,
180.4026, 95.8507


 16.9845, 14.6940,
2.1133


 16.9845, 14.6940,
2.1133


 16.7431, 14.2640,
1.8708

 17.6473, 15.8528,
2.8492

 18.4358, 17.1299,
4.0363

 19.3670, 18.5343,
5.7589

 20.4529, 20.0720,
8.0756

 21.7040, 21.7487,
11.0373

■ 23.1296, 23.5694,
14.6893

■ 24.7382, 25.5388,
19.0728

■ 26.5380, 27.6613,
24.2258

■ 28.5361, 29.9412,
30.1836

Harmonies

Analogous

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



21.6036, 14.6940, 4.5843



16.9845, 14.6940, 2.1133



12.3649, 14.6940, 1.8913

Triad

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



16.9845, 14.6940, 2.1133



7.0522, 14.6940, 21.2631



20.4904, 14.6940, 43.0862

Complementary

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



16.9845, 14.6940, 2.1133



7.5759, 5.9723, 30.4590

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.



15.7001, 14.6940, 54.9995



16.9845, 14.6940, 2.1133



8.3814, 14.6940, 38.5594

Square

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



16.9845, 14.6940, 2.1133



7.2507, 14.6940, 9.1984



11.3285, 14.6940, 53.0019



23.9104, 14.6940, 25.5252

Rectangle

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



16.9845, 14.6940, 2.1133



9.9441, 14.6940, 2.7426



11.3285, 14.6940, 53.0019



18.9485, 14.6940, 48.2226

Sweetspot

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



16.9848, 14.6948, 2.1136



42.6303, 43.8270, 30.7955



13.9509, 7.1804, 5.5613



9.4365, 9.6512, 6.3124



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.9848, 14.6948, 2.1136



29.3762, 24.8229, 3.2430



21.6433, 27.8217, 4.4018



6.5029, 6.8108, 6.5777



14.0696, 12.0216, 1.5789



0.2457, 0.2505, 0.0354

Inverse Universe

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



7.5759, 5.9723, 30.4590



12.7279, 9.4498, 53.5868



6.0335, 2.5524, 29.8802



6.0758, 6.4089, 7.8458



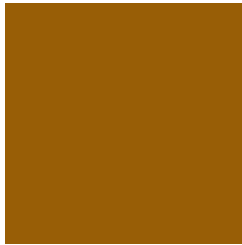
6.1523, 4.7014, 25.4909



0.1260, 0.1384, 0.3924

Previews

White Background



This preview shows how the XYZ color 16.9845, 14.6940, 2.1133 looks on a white background.

Color Contrast Check

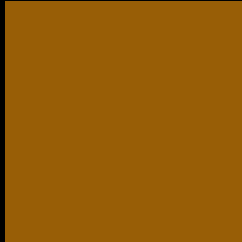
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9845, 14.6940, 2.1133 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 16.9845, 14.6940, 2.1133

Background



This preview shows how black text looks on a background with the XYZ color 16.9845, 14.6940, 2.1133.



This preview shows how white text looks on a background with the XYZ color 16.9845, 14.6940,

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

16.9845, 14.6940, 2.1133

Protanopia

13.3204, 14.8191, 2.5391

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

19.1389, 14.6925, 12.4169

Trichromacy



Original Color

16.9845, 14.6940, 2.1133

Protanomaly

14.4208, 14.6279, 2.3506

Deuteranomaly

15.6281, 14.6788, 2.0670

Tritanomaly

18.0432, 14.6287, 6.4301

Monochromacy



Original Color

16.9845, 14.6940, 2.1133

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.0968, 13.1218, 6.9967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9845, 14.6940, 2.1133 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(152, 94, 6)` looks like.

```
.text, #text, p{  
    color:rgb(152, 94, 6)  
}
```

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(152, 94, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 94, 6) }
```

Border

The CSS property to change the border of an element to XYZ 16.9845, 14.6940, 2.1133 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(152, 94, 6) }
```


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

```
.border{ border-color:rgb(152, 94, 6) }
```

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

Here you see how a box with a 4 pixel rgb(152, 94, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 94, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 94, 6);  
box-shadow:4px 4px 4px 4px rgb(152, 94, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9845, 14.6940, 2.1133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 94, 6) }
```

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

```
.background{ background-color: rgb(152, 94,  
6) }
```

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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