

Converting Colors

XYZ(17.0097, 15.2248, 2.0422)

Have a look what the booklet for
XYZ(17.0097, 15.2248, 2.0422)
contains.

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Color

**XYZ(16.9454, 15.2194,
2.0445)**

Conversions

Conversions Part 1

Format	Color
Hex	966200
RGB	150, 98, 0
RGB Percent	59%, 38%, 0%
CMY	0.4118, 0.6157, 1.0000
CMYK	0.00, 0.35, 1.00, 0.41
HSL	39°, 100%, 29%
HSV	39°, 100%, 59%
XYZ	16.9454, 15.2194, 2.0445
YIQ	102.3760, 62.4500, -19.4540

Conversions

Conversions Part 2

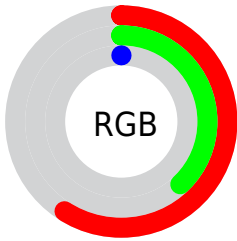
Format	Color
RYB	80, 150, 0
Decimal	9855488
CIELab	45.93, 14.46, 53.62
CIELCh	46, 55.538, 74.911
Yxy	15.2194, 0.4953, 0.4449
Android (android.graphics.Color)	4288045568 (0xFF966200)
YUV	102.3760, -50.4714, 41.7662
Hunter-Lab	39.0120, 9.2628, 24.2012

Details

The XYZ color **16.9454, 15.2194, 2.0445** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.7330, 4.6580, 29.3983**, and the grayscale version is **12.8452, 13.5141, 14.7169**.

A 20% lighter version of the original color is **37.8842, 35.3871, 9.2486**, and **5.7422, 4.7831, 0.6206** is the 20% darker color. If you saturate the color by 10%, you get **16.9456, 15.2199, 2.0446**, and if you desaturate by 10%, it is **17.5344, 16.2596, 2.6664**.

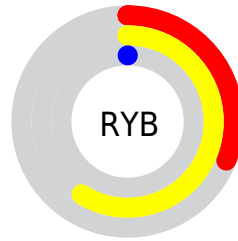
Distribution



Red (59%)

Green (38%)

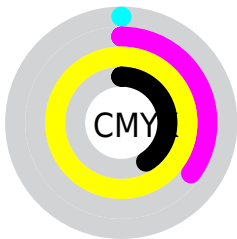
Blue (0%)



Red (31%)

Yellow (59%)

Blue (0%)

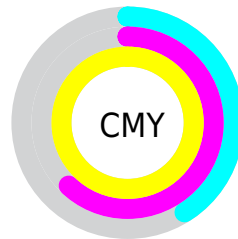


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9454, 15.2194, 2.0445 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 16.9454, 15.2194, 2.0445 by changing the saturation by 10% instead.

■ 16.9454, 15.2194,
2.0445

■ 16.9454, 15.2194,
2.0445

■ 228.0199,
224.6904, 123.0640

■ 10.2906, 8.9735,
0.5824

■ 37.7762, 35.2376,
9.1621

■ 5.6558, 4.7239,
0.0000

■ 52.6830, 49.7787,
15.7029

■ 2.6756, 2.0862,
0.0000

■ 71.0711, 67.8537,
24.7898

■ 0.9846, 0.6568,
0.0000

■ 93.3060, 89.8469,
36.8413


■ 0.0000, 0.0000,
0.0000


■ 119.7530,
116.1428, 52.2759


■ 150.7774,


147.1258, 71.5122


 186.7446,
183.1802, 94.9687


 16.9454, 15.2194,
2.0445


 16.9454, 15.2194,
2.0445


 16.9456, 15.2199,
2.0446

 17.5344, 16.2596,
2.6664

 18.2173, 17.3882,
3.6247

 19.0240, 18.6188,
5.0742

 19.9668, 19.9571,
7.0753

 21.0558, 21.4081,
9.6798

■ 22.3002, 22.9762,
12.9333

■ 23.7085, 24.6656,
16.8771

■ 25.2881, 26.4802,
21.5490

■ 27.0462, 28.4236,
26.9841

Harmonies

Analogous

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



21.8478, 15.2194, 4.1991



16.9454, 15.2194, 2.0445



12.2645, 15.2194, 2.0394

Triad

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



16.9454, 15.2194, 2.0445



7.3776, 15.2194, 24.1550



21.8218, 15.2194, 42.4561

Complementary

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



16.9454, 15.2194, 2.0445



6.7330, 4.6580, 29.3983

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.



16.9154, 15.2194, 56.2188



16.9454, 15.2194, 2.0445



8.9675, 15.2194, 42.3501

Square

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



16.9454, 15.2194, 2.0445



7.3822, 15.2194, 10.7106



12.2403, 15.2194, 56.1719



25.0509, 15.2194, 24.2547

Rectangle

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



16.9454, 15.2194, 2.0445



9.8894, 15.2194, 3.1256



12.2403, 15.2194, 56.1719



20.2722, 15.2194, 48.1040

Sweetspot

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



16.9457, 15.2202, 2.0448



41.6844, 43.3463, 29.3357



13.2089, 6.7366, 3.9126



9.0224, 9.3506, 5.8890



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.



16.9457, 15.2202, 2.0448



29.7372, 26.5236, 3.5522



19.7335, 26.3632, 4.0487



6.0979, 6.4096, 6.1562



14.0850, 12.6844, 1.7060



0.2000, 0.2105, 0.0301

Inverse Universe

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



6.7330, 4.6580, 29.3983



11.7330, 7.9218, 51.8319



5.8471, 2.3785, 29.0050



5.6541, 5.9422, 7.3187



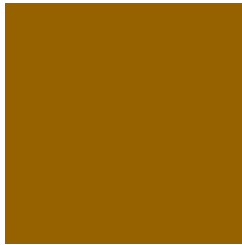
5.6118, 3.9185, 24.3916



0.0943, 0.0991, 0.3071

Previews

White Background



This preview shows how the XYZ color 16.9454, 15.2194, 2.0445 looks on a white background.

Color Contrast Check

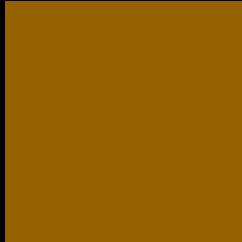
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9454, 15.2194, 2.0445 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 16.9454, 15.2194, 2.0445

Background



This preview shows how black text looks on a background with the XYZ color 16.9454, 15.2194, 2.0445.



This preview shows how white text looks on a background with the XYZ color 16.9454, 15.2194,

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

16.9454, 15.2194, 2.0445

Protanopia

13.7991, 15.3847, 2.5294

Deuteranopia

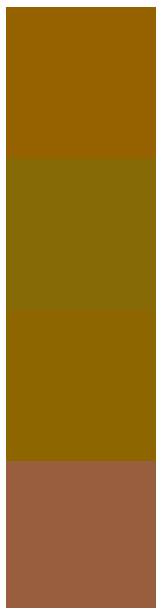
15.4315, 15.3039, 2.1406



Tritanopia

19.2721, 15.2340, 13.4800

Trichromacy



Original Color

16.9454, 15.2194, 2.0445

Protanomaly

14.8598, 15.3078, 2.3438

Deuteranomaly

15.9067, 15.2535, 2.1059

Tritanomaly

18.0091, 15.1255, 6.5278

Monochromacy



Original Color

16.9454, 15.2194, 2.0445

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2156, 13.6110, 6.9317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9454, 15.2194, 2.0445 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(150, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 98, 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(150, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 98, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.9454, 15.2194, 2.0445 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(150, 98, 0) }
```


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

```
.border{ border-color:rgb(150, 98, 0) }
```

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

Here you see how a box with a 4 pixel rgb(150, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 98, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9454, 15.2194, 2.0445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 98, 0) }
```

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

```
.background{ background-color: rgb(150, 98,  
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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