

Converting Colors

XYZ(16.4324, 14.0767, 1.0796)

Have a look what the booklet for
XYZ(16.4324, 14.0767, 1.0796)
contains.

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Color

**XYZ(16.5036, 14.0615,
1.8443)**

Conversions

Conversions Part 1

Format	Color
Hex	975B00
RGB	151, 91, 0
RGB Percent	59%, 36%, 0%
CMY	0.4078, 0.6431, 1.0000
CMYK	0.00, 0.40, 1.00, 0.41
HSL	36°, 100%, 30%
HSV	36°, 100%, 59%
XYZ	16.5036, 14.0615, 1.8443
YIQ	98.5660, 64.9710, -15.5810

Conversions

Conversions Part 2

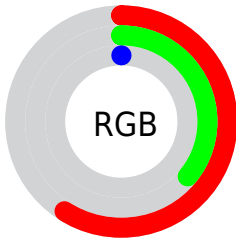
Format	Color
R_{YB}	100, 151, 0
Decimal	9919232
CIE Lab	44.32, 18.94, 52.64
CIE LCh	44, 55.942, 70.211
Yxy	14.0615, 0.5092, 0.4339
Android (android.graphics.Color)	4288109312 (0xFF975B00)
YUV	98.5660, -48.5930, 45.9846
Hunter-Lab	37.4987, 12.9373, 23.3330

Details

The XYZ color **16.5036, 14.0615, 1.8443** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2017, 5.4660, 29.9534**, and the grayscale version is **11.8578, 12.4753, 13.5856**.

A 20% lighter version of the original color is **36.8926, 33.0672, 8.5758**, and **5.5545, 4.2565, 0.5288** is the 20% darker color. If you saturate the color by 10%, you get **16.5037, 14.0619, 1.8444**, and if you desaturate by 10%, it is **17.1245, 15.1642, 2.4803**.

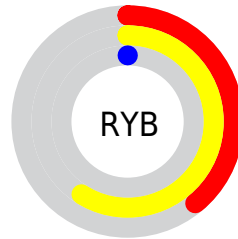
Distribution



Red (59%)

Green (36%)

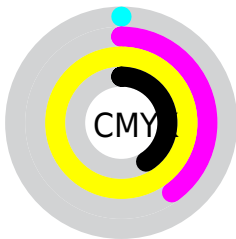
Blue (0%)



Red (39%)

Yellow (59%)

Blue (0%)

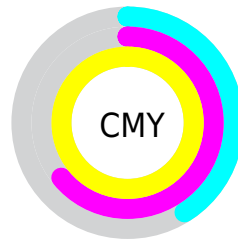


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (41%)



Cyan (41%)


Magenta (64%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5036, 14.0615, 1.8443 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 16.5036, 14.0615, 1.8443 by changing the saturation by 10% instead.

 16.5036, 14.0615,
1.8443


 16.5036, 14.0615,
1.8443


 225.5077,
217.6131, 119.9102


 9.9743, 8.1635,
0.4569


 37.0207, 33.1981,
8.6106


 5.4441, 4.1997,
0.0000

 51.7393, 47.2055,
14.9104


 2.5475, 1.7859,
0.0000

 69.9183, 64.6847,
23.7127

 0.9193, 0.4784,
0.0000

 91.9231, 86.0202,
35.4360


 0.0000, 0.0000,
0.0000


 118.1191,
111.5964, 50.4988


 148.8717,


141.7977, 69.3198


 184.5461,
177.0085, 92.3174


 16.5036, 14.0615,
1.8443


 16.5036, 14.0615,
1.8443


 16.5037, 14.0619,
1.8444

 17.1245, 15.1642,
2.4803

 17.8500, 16.3753,
3.4620

 18.7110, 17.7091,
4.9455

 19.7198, 19.1720,
6.9924

 20.8875, 20.7696,
9.6555

■ 22.2234, 22.5072,
12.9812

■ 23.7364, 24.3894,
17.0117

■ 25.4345, 26.4207,
21.7853

■ 27.3251, 28.6054,
27.3379

Harmonies

Analogous

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



21.0948, 14.0615, 4.2579



16.5036, 14.0615, 1.8443



11.8933, 14.0615, 1.5959

Triad

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



16.5036, 14.0615, 1.8443



6.5458, 14.0615, 20.1213



19.7440, 14.0615, 42.9897

Complementary

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



16.5036, 14.0615, 1.8443



7.2017, 5.4660, 29.9534

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.



14.9534, 14.0615, 54.7688



16.5036, 14.0615, 1.8443



7.8002, 14.0615, 37.4415

Square

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



16.5036, 14.0615, 1.8443



6.7802, 14.0615, 8.3768



10.6520, 14.0615, 52.3092



23.2366, 14.0615, 25.2908

Rectangle

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



16.5036, 14.0615, 1.8443



9.4772, 14.0615, 2.3467



10.6520, 14.0615, 52.3092



18.1928, 14.0615, 48.1237

Sweetspot

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



16.5039, 14.0622, 1.8446



42.3365, 43.4679, 29.9934



13.5887, 6.9099, 4.9485



9.3765, 9.5767, 6.1524



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.



16.5039, 14.0622, 1.8446



29.3740, 24.8185, 3.2423



21.2037, 27.3589, 4.1634



6.5028, 6.8107, 6.5777



14.0686, 12.0196, 1.5785



0.2457, 0.2505, 0.0354

Inverse Universe

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



7.2017, 5.4660, 29.9534



12.7292, 9.4525, 53.5873



5.7846, 2.3369, 29.4241



6.0758, 6.4090, 7.8458



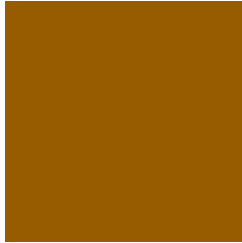
6.1530, 4.7026, 25.4911



0.1260, 0.1384, 0.3924

Previews

White Background



This preview shows how the XYZ color 16.5036, 14.0615, 1.8443 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 16.5036, 14.0615, 1.8443 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 16.5036, 14.0615, 1.8443

Background



This preview shows how black text looks on a background with the XYZ color 16.5036, 14.0615, 1.8443.



This preview shows how white text looks on a background with the XYZ color 16.5036, 14.0615,

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

16.5036, 14.0615, 1.8443

Protanopia

12.8222, 14.2542, 2.3921

Deuteranopia

14.2300, 14.1009, 1.9717



Tritanopia

18.4633, 14.1224, 11.6503

Trichromacy



Original Color

16.5036, 14.0615, 1.8443

Protanomaly

14.0521, 14.1480, 2.1912

Deuteranomaly

15.0899, 14.1248, 1.9310

Tritanomaly

17.3088, 13.8942, 5.7726

Monochromacy



Original Color

16.5036, 14.0615, 1.8443

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.5513, 12.5762, 6.4685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5036, 14.0615, 1.8443 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(151, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 91, 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(151, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 91, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5036, 14.0615, 1.8443 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(151, 91, 0) }
```


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

```
.border{ border-color:rgb(151, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 91, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5036, 14.0615, 1.8443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 91, 0) }
```

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

```
.background{ background-color: rgb(151, 91,  
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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