

Converting Colors

$Y_{xy}(16.6723, 0.4989, 0.4421)$

Have a look what the booklet for
Yxy(16.6723, 0.4989, 0.4421)
contains.

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Color

Yxy(16.5765, 0.4996, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	9E6500
RGB	158, 101, 0
RGB Percent	62%, 40%, 0%
CMY	0.3803, 0.6040, 0.9999
CMYK	0.00, 0.36, 1.00, 0.38
HSL	38°, 100%, 31%
HSV	38°, 100%, 62%
XYZ	18.7579, 16.5765, 2.2115
YIQ	106.5290, 66.3930, -19.3270

Conversions

Conversions Part 2

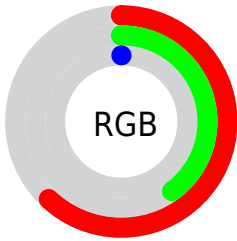
Format	Color
R _Y B	89, 158, 0
Decimal	10380544
CIE Lab	47.72, 16.44, 55.30
CIE LCh	48, 57.691, 73.440
Yxy	16.5765, 0.4996, 0.4415
Android (android.graphics.Color)	4288570624 (0xFF9E6500)
YUV	106.5290, -52.5188, 45.1401
Hunter-Lab	40.7142, 10.9888, 25.2796

Details

The Yxy color **16.5765, 0.4996, 0.4415** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4014, 0.1659, 0.1173**, and the grayscale version is **14.7013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7097, 0.4640, 0.4266**, and **5.4050, 0.5231, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **16.5757, 0.4996, 0.4415**, and if you desaturate by 10%, it is **17.7605, 0.4847, 0.4432**.

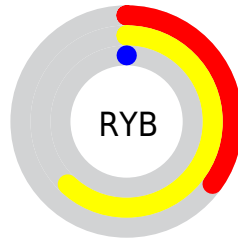
Distribution



Red (62%)

Green (40%)

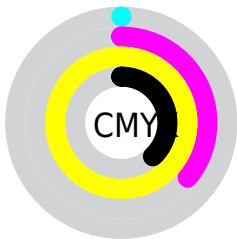
Blue (0%)



Red (35%)

Yellow (62%)

Blue (0%)

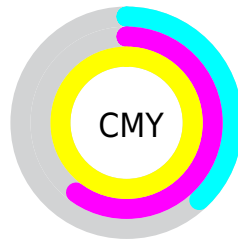


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5765, 0.4996, 0.4415 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 Yxy color 16.5765, 0.4996, 0.4415 by changing the saturation by 10% instead.


 16.5765, 0.4996,
0.4415


 16.5765, 0.4996,
0.4415


232.7199, 0.3992,
0.3902


 9.9330, 0.5222,
0.4472


 37.5962, 0.4639,
0.4270


 5.3546, 0.5499,
0.4501

 52.7412, 0.4499,
0.4200

 2.4568, 0.5673,
0.4327

 71.4888, 0.4380,
0.4135

 0.8549, 0.5980,
0.4020

 94.2234, 0.4279,
0.4078


 0.0000, 1.0000,
0.0000


 121.3294, 0.4192,
0.4026

 0.0000, 0.0000,
0.0000


 153.1913, 0.4116,


0.3980

 190.1933, 0.4050,
0.3939


 16.5765, 0.4996,
0.4415


 16.5765, 0.4996,
0.4415

 16.5757, 0.4996,
0.4415

 17.7605, 0.4847,
0.4432

 19.0506, 0.4675,
0.4410

 20.4616, 0.4479,
0.4340

 22.0003, 0.4267,
0.4230

 23.6723, 0.4051,
0.4092

■ 25.4832, 0.3840,
0.3936

■ 27.4376, 0.3639,
0.3772

■ 29.5401, 0.3452,
0.3606

■ 31.7951, 0.3281,
0.3444

Harmonies

Analogous

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



16.5765, 0.5312, 0.3651



16.5765, 0.4996, 0.4415



16.5765, 0.4204, 0.5140

Triad

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



16.5765, 0.4996, 0.4415



16.5765, 0.1587, 0.3315



16.5765, 0.2691, 0.1889

Complementary

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



16.5765, 0.4996, 0.4415



5.4014, 0.1659, 0.1173

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.



16.5765, 0.1874, 0.1709



16.5765, 0.4996, 0.4415



16.5765, 0.1338, 0.2313

Square

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



16.5765, 0.4996, 0.4415



16.5765, 0.2248, 0.4643



16.5765, 0.1439, 0.1822



16.5765, 0.3830, 0.2324

Rectangle

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



16.5765, 0.4996, 0.4415



16.5765, 0.3552, 0.5405



16.5765, 0.1439, 0.1822



16.5765, 0.2375, 0.1799

Sweetspot

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



16.5774, 0.4996, 0.4415



49.5893, 0.3650, 0.3782



7.5771, 0.5482, 0.2794



10.8563, 0.3729, 0.3848



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.5774, 0.4996, 0.4415



29.7014, 0.5015, 0.4400



29.7767, 0.3963, 0.5235



7.3172, 0.3269, 0.3433



13.3476, 0.4988, 0.4422



0.3163, 0.4603, 0.4727

Inverse Universe

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



5.4014, 0.1659, 0.1173



9.4552, 0.1650, 0.1139



2.6304, 0.1557, 0.0632



6.8077, 0.2988, 0.3143



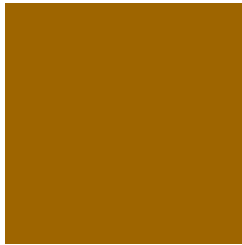
4.3927, 0.1663, 0.1188



0.1552, 0.1880, 0.1968

Previews

White Background



This preview shows how the Yxy color 16.5765, 0.4996, 0.4415 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 Yxy color 16.5765, 0.4996, 0.4415 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](#).

Yxy 16.5765, 0.4996, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 16.5765, 0.4996, 0.4415.



This preview shows how white text looks on a background with the Yxy color 16.5765, 0.4996, 0.4415.

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

16.5765, 0.4996, 0.4415

Protanopia

16.6480, 0.4359, 0.4844

Deuteranopia

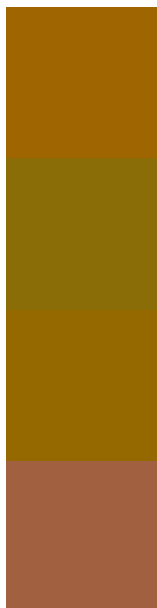
16.6544, 0.4705, 0.4646



Tritanopia

16.6264, 0.4065, 0.3180

Trichromacy



Original Color

16.5765, 0.4996, 0.4415

Protanomaly

16.4416, 0.4600, 0.4682

Deuteranomaly

16.4927, 0.4819, 0.4556

Tritanomaly

16.4966, 0.4587, 0.3803

Monochromacy



Original Color

16.5765, 0.4996, 0.4415

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.9561, 0.3948, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5765, 0.4996, 0.4415 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(158, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 101, 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(158, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5765, 0.4996, 0.4415 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(158, 101, 0) }
```

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

```
.border{ border-color:rgb(158, 101, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 101, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5765, 0.4996, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 101, 0) }
```

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

```
.background{ background-color: rgb(158,  
101, 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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