

Converting Colors

$Y_{xy}(16.2011, 0.5284, 0.4380)$

Have a look what the booklet for
Yxy(16.2011, 0.5284, 0.4380)
contains.

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Color

Yxy(16.1838, 0.5176, 0.4272)

Conversions

Conversions Part 1

Format	Color
Hex	A55F00
RGB	165, 95, 0
RGB Percent	65%, 37%, 0%
CMY	0.3530, 0.6274, 0.9999
CMYK	0.00, 0.42, 1.00, 0.35
HSL	35°, 100%, 32%
HSV	35°, 100%, 65%
XYZ	19.6085, 16.1838, 2.0912
YIQ	105.1000, 72.2150, -14.7050

Conversions

Conversions Part 2

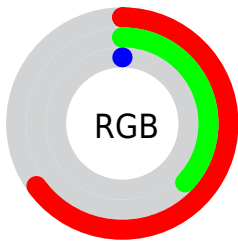
Format	Color
R _Y B	122, 165, 0
Decimal	10837760
CIE Lab	47.21, 22.96, 55.43
CIE LCh	47, 60.000, 67.496
Yxy	16.1838, 0.5176, 0.4272
Android (android.graphics.Color)	4289027840 (0xFFA55F00)
YUV	105.1000, -51.8143, 52.5323
Hunter-Lab	40.2291, 16.6035, 25.0784

Details

The Yxy color **16.1838, 0.5176, 0.4272** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0993, 0.1709, 0.1350**, and the grayscale version is **14.2855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9022, 0.4771, 0.4175**, and **5.2397, 0.5479, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **16.1819, 0.5176, 0.4272**, and if you desaturate by 10%, it is **17.5421, 0.5000, 0.4307**.

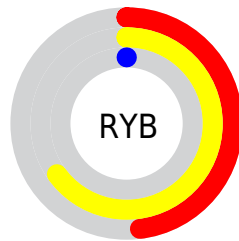
Distribution



Red (65%)

Green (37%)

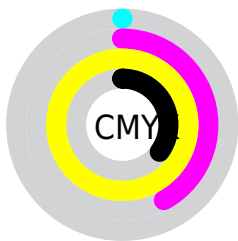
Blue (0%)



Red (48%)

Yellow (65%)

Blue (0%)

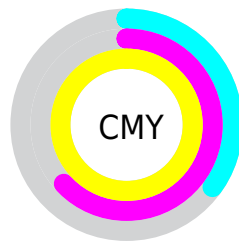


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (63%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1838, 0.5176, 0.4272 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 16.1838, 0.5176, 0.4272 by changing the saturation by 10% instead.


 16.1838, 0.5176,
0.4272


 16.1838, 0.5176,
0.4272


 230.4239, 0.4066,
0.3861


 9.6543, 0.5434,
0.4294


 36.9170, 0.4778,
0.4173


 5.1704, 0.5739,
0.4261

 51.8895, 0.4623,
0.4117


 2.3476, 0.5976,
0.4024

 70.4451, 0.4492,
0.4064

 0.7987, 0.6393,
0.3607

 92.9682, 0.4380,
0.4015


 0.0000, 1.0000,
0.0000


 119.8433, 0.4285,
0.3970


 0.0000, 0.0000,
0.0000


 151.4546, 0.4202,


0.3930

 188.1867, 0.4129,
0.3894


 16.1838, 0.5176,
0.4272


 16.1838, 0.5176,
0.4272

 16.1819, 0.5176,
0.4272

 17.5421, 0.5000,
0.4307

 19.0477, 0.4799,
0.4299

 20.7176, 0.4572,
0.4243

 22.5603, 0.4334,
0.4146

 24.5834, 0.4096,
0.4021

■ 26.7937, 0.3867,
0.3878

■ 29.1976, 0.3654,
0.3728

■ 31.8012, 0.3459,
0.3577

■ 34.6100, 0.3283,
0.3430

Harmonies

Analogous

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



16.1838, 0.5386, 0.3496



16.1838, 0.5176, 0.4272



16.1838, 0.4414, 0.5069

Triad

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



16.1838, 0.5176, 0.4272



16.1838, 0.1624, 0.3578



16.1838, 0.2468, 0.1781

Complementary

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



16.1838, 0.5176, 0.4272



7.0993, 0.1709, 0.1350

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.



16.1838, 0.1709, 0.1651



16.1838, 0.5176, 0.4272



16.1838, 0.1295, 0.2424

Square

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



16.1838, 0.5176, 0.4272



16.1838, 0.2383, 0.4961



16.1838, 0.1335, 0.1829



16.1838, 0.3610, 0.2179

Rectangle

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



16.1838, 0.5176, 0.4272



16.1838, 0.3755, 0.5450



16.1838, 0.1335, 0.1829



16.1838, 0.2168, 0.1706

Sweetspot

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



16.1847, 0.5176, 0.4272



52.0404, 0.3665, 0.3737



8.4610, 0.5220, 0.2650



10.9942, 0.3749, 0.3797



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.1847, 0.5176, 0.4272



28.5728, 0.5198, 0.4254



33.7775, 0.4078, 0.5144



7.7313, 0.3271, 0.3419



12.3434, 0.5164, 0.4282



0.3503, 0.4731, 0.4626

Inverse Universe

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



7.0993, 0.1709, 0.1350



12.3262, 0.1700, 0.1318



2.7885, 0.1524, 0.0613



7.3309, 0.2987, 0.3157



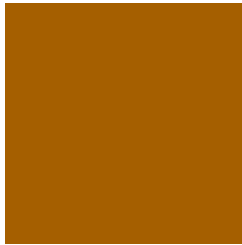
5.4641, 0.1714, 0.1368



0.2076, 0.1914, 0.2089

Previews

White Background



This preview shows how the Yxy color 16.1838, 0.5176, 0.4272 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 16.1838, 0.5176, 0.4272 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 16.1838, 0.5176, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 16.1838, 0.5176, 0.4272.



This preview shows how white text looks on a background with the Yxy color 16.1838, 0.5176, 0.4272.

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

16.1838, 0.5176, 0.4272

Protanopia

16.3513, 0.4353, 0.4832

Deuteranopia

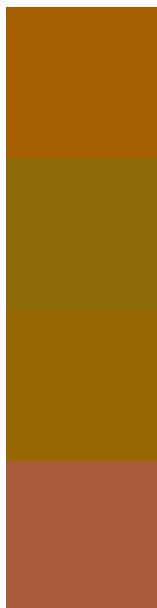
16.2662, 0.4696, 0.4654



Tritanopia

16.1305, 0.4287, 0.3186

Trichromacy



Original Color

16.1838, 0.5176, 0.4272

Protanomaly

15.9883, 0.4672, 0.4616

Deuteranomaly

16.1845, 0.4866, 0.4519

Tritanomaly

16.0239, 0.4788, 0.3743

Monochromacy



Original Color

16.1838, 0.5176, 0.4272

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.2246, 0.4012, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1838, 0.5176, 0.4272 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(165, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 95, 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(165, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1838, 0.5176, 0.4272 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(165, 95, 0) }
```

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

```
.border{ border-color:rgb(165, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1838, 0.5176, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 95, 0) }
```

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

```
.background{ background-color: rgb(165, 95,  
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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