

Converting Colors

$Y_{xy}(16.5412, 0.5472, 0.4308)$

Have a look what the booklet for
Yxy(16.5412, 0.5472, 0.4308)
contains.

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Color

Yxy(16.6530, 0.5317, 0.4160)

Conversions

Conversions Part 1

Format	Color
Hex	AE5C00
RGB	174, 92, 0
RGB Percent	68%, 36%, 0%
CMY	0.3176, 0.6392, 0.9998
CMYK	0.00, 0.47, 1.00, 0.32
HSL	32°, 100%, 34%
HSV	32°, 100%, 68%
XYZ	21.2846, 16.6530, 2.0936
YIQ	106.0300, 78.4040, -11.2280

Conversions

Conversions Part 2

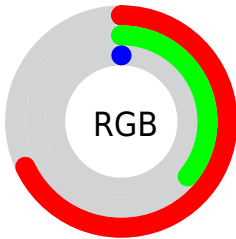
Format	Color
RYB	155, 174, 0
Decimal	11426816
CIELab	47.82, 28.55, 56.45
CIELCh	48, 63.260, 63.177
Yxy	16.6530, 0.5317, 0.4160
Android (android.graphics.Color)	4289616896 (0xFFAE5C00)
YUV	106.0300, -52.2728, 59.6097
Hunter-Lab	40.8081, 21.6876, 25.5238

Details

The Yxy color **16.6530, 0.5317, 0.4160** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.0995, 0.1748, 0.1492**, and the grayscale version is **14.5535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6440, 0.4889, 0.4097**, and **5.4462, 0.5674, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **16.6503, 0.5317, 0.4160**, and if you desaturate by 10%, it is **18.1947, 0.5121, 0.4209**.

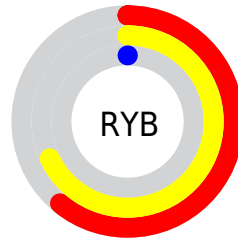
Distribution



Red (68%)

Green (36%)

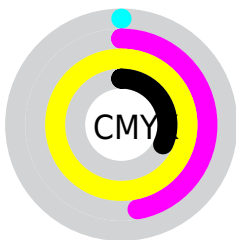
Blue (0%)



Red (61%)

Yellow (68%)

Blue (0%)

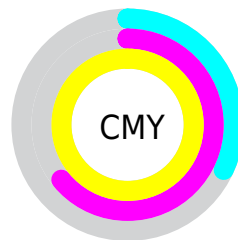


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6530, 0.5317, 0.4160 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 16.6530, 0.5317, 0.4160 by changing the saturation by 10% instead.


 16.6530, 0.5317,
0.4160


 16.6530, 0.5317,
0.4160


233.1647, 0.4133,
0.3832


 9.9874, 0.5592,
0.4154


 37.7282, 0.4893,
0.4098


 5.3906, 0.5918,
0.4082

 52.9066, 0.4728,
0.4054


 2.4782, 0.6191,
0.3809

 71.6913, 0.4589,
0.4010

 0.8657, 0.6649,
0.3351

 94.4669, 0.4470,
0.3969


 0.0000, 1.0000,
0.0000


 121.6176, 0.4367,
0.3930


 0.0000, 0.0000,
0.0000


 153.5279, 0.4279,


0.3894


 190.5821, 0.4201,
0.3862

 16.6530, 0.5317,
0.4160


 16.6530, 0.5317,
0.4160

 16.6503, 0.5317,
0.4160

 18.1947, 0.5121,
0.4209

 19.9309, 0.4897,
0.4214

 21.8814, 0.4648,
0.4168

 24.0570, 0.4388,
0.4082

 26.4677, 0.4132,
0.3967

■ 29.1224, 0.3889,
0.3835

■ 32.0295, 0.3666,
0.3695

■ 35.1968, 0.3464,
0.3555

■ 38.6318, 0.3285,
0.3419

Harmonies

Analogous

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



16.6530, 0.5441, 0.3376



16.6530, 0.5317, 0.4160



16.6530, 0.4576, 0.5003

Triad

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



16.6530, 0.5317, 0.4160



16.6530, 0.1652, 0.3801



16.6530, 0.2301, 0.1696

Complementary

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



16.6530, 0.5317, 0.4160



9.0995, 0.1748, 0.1492

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.



16.6530, 0.1584, 0.1604



16.6530, 0.5317, 0.4160



16.6530, 0.1259, 0.2516

Square

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



16.6530, 0.5317, 0.4160



16.6530, 0.2486, 0.5210



16.6530, 0.1254, 0.1833



16.6530, 0.3439, 0.2067

Rectangle

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



16.6530, 0.5317, 0.4160



16.6530, 0.3909, 0.5467



16.6530, 0.1254, 0.1833



16.6530, 0.2014, 0.1634

Sweetspot

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



16.6539, 0.5317, 0.4160



57.7858, 0.3678, 0.3703



9.6428, 0.5020, 0.2539



12.3490, 0.3768, 0.3761



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.6539, 0.5317, 0.4160



29.7464, 0.5342, 0.4141



38.9463, 0.4164, 0.5075



8.6897, 0.3274, 0.3410



12.1948, 0.5302, 0.4172



0.4477, 0.4883, 0.4505

Inverse Universe

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



9.0995, 0.1748, 0.1492



16.0564, 0.1739, 0.1461



3.0763, 0.1506, 0.0603



8.3565, 0.2986, 0.3167



6.7135, 0.1753, 0.1511



0.2969, 0.1914, 0.2091

Previews

White Background



This preview shows how the Yxy color 16.6530, 0.5317, 0.4160 looks on a white background.

Color Contrast Check

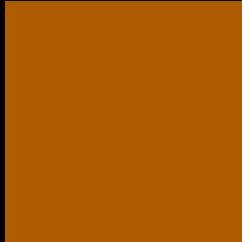
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6530, 0.5317, 0.4160 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 16.6530, 0.5317, 0.4160

Background



This preview shows how black text looks on a background with the Yxy color 16.6530, 0.5317, 0.4160.



This preview shows how white text looks on a background with the Yxy color 16.6530, 0.5317, 0.4160.

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

16.6530, 0.5317, 0.4160

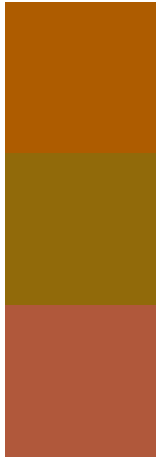
Protanopia

16.7362, 0.4358, 0.4813

Tritanopia

16.7754, 0.4473, 0.3208

Trichromacy



Original Color

16.6530, 0.5317, 0.4160

Protanomaly

16.3497, 0.4718, 0.4568

Tritanomaly

16.5253, 0.4944, 0.3683

Monochromacy



Original Color

16.6530, 0.5317, 0.4160

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5379, 0.4074, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6530, 0.5317, 0.4160 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(174, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 92, 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(174, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6530, 0.5317, 0.4160 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(174, 92, 0) }
```

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

```
.border{ border-color:rgb(174, 92, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 16.6530, 0.5317, 0.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 92, 0) }
```

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

```
.background{ background-color: rgb(174, 92,  
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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