

Converting Colors

$Yxy(16.9268, 0.5331, 0.4149)$

Have a look what the booklet for
Yxy(16.9268, 0.5331, 0.4149)
contains.

Yxy(16.8844, 0.5336, 0.4145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.8844, 0.5336, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	B05C00
RGB	176, 92, 0
RGB Percent	69%, 36%, 0%
CMY	0.3097, 0.6393, 0.9999
CMYK	0.00, 0.48, 1.00, 0.31
HSL	31°, 100%, 35%
HSV	31°, 100%, 69%
XYZ	21.7359, 16.8844, 2.1141
YIQ	106.6280, 79.5960, -10.8040

Conversions

Conversions Part 2

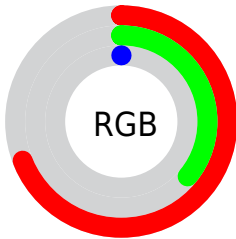
Format	Color
RYB	161, 176, 0
Decimal	11557888
CIELab	48.11, 29.41, 56.79
CIElCh	48, 63.949, 62.622
Yxy	16.8844, 0.5336, 0.4145
Android (android.graphics.Color)	4289747968 (0xFFB05C00)
YUV	106.6280, -52.5676, 60.8392
Hunter-Lab	41.0906, 22.5132, 25.7130

Details

The Yxy color **16.8844, 0.5336, 0.4145** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.4864, 0.1753, 0.1510**, and the grayscale version is **14.7272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1590, 0.4915, 0.4084**, and **5.5144, 0.5684, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **16.8828, 0.5336, 0.4145**, and if you desaturate by 10%, it is **18.4654, 0.5138, 0.4196**.

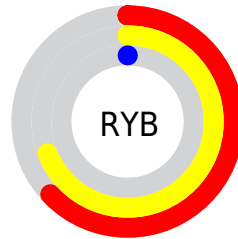
Distribution



Red (69%)

Green (36%)

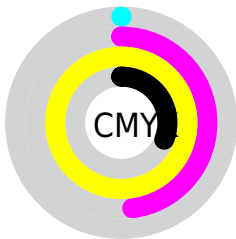
Blue (0%)



Red (63%)

Yellow (69%)

Blue (0%)

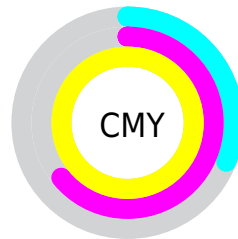


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8844, 0.5336, 0.4145 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 16.8844, 0.5336, 0.4145 by changing the saturation by 10% instead.


 16.8844, 0.5336,
0.4145


 16.8844, 0.5336,
0.4145

234.5053, 0.4144,
0.3829


 10.1521, 0.5611,
0.4134


 38.1269, 0.4910,
0.4088


 5.4999, 0.5940,
0.4060

 53.4059, 0.4744,
0.4046

 2.5435, 0.6216,
0.3784

 72.3026, 0.4603,
0.4004

 0.8983, 0.6674,
0.3326

 95.2014, 0.4484,
0.3963

 0.0000, 1.0000,
0.0000


 122.4867, 0.4380,
0.3925


 0.0000, 0.0000,
0.0000

 154.5428, 0.4291,


0.3890

 191.7542, 0.4213,
0.3858


 16.8844, 0.5336,
0.4145


 16.8844, 0.5336,
0.4145


 16.8828, 0.5336,
0.4145

 18.4654, 0.5138,
0.4196

 20.2500, 0.4911,
0.4203

 22.2585, 0.4659,
0.4159

 24.5024, 0.4396,
0.4074

 26.9920, 0.4137,
0.3960

■ 29.7368, 0.3893,
0.3830

■ 32.7455, 0.3668,
0.3691

■ 36.0262, 0.3465,
0.3552

■ 39.5870, 0.3285,
0.3418

Harmonies

Analogous

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



16.8844, 0.5448, 0.3360



16.8844, 0.5336, 0.4145



16.8844, 0.4597, 0.4994

Triad

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



16.8844, 0.5336, 0.4145



16.8844, 0.1655, 0.3832



16.8844, 0.2279, 0.1685

Complementary

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



16.8844, 0.5336, 0.4145



9.4864, 0.1753, 0.1510

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.



16.8844, 0.1567, 0.1598



16.8844, 0.5336, 0.4145



16.8844, 0.1254, 0.2529

Square

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



16.8844, 0.5336, 0.4145



16.8844, 0.2499, 0.5243



16.8844, 0.1243, 0.1833



16.8844, 0.3416, 0.2051

Rectangle

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



16.8844, 0.5336, 0.4145



16.8844, 0.3929, 0.5468



16.8844, 0.1243, 0.1833



16.8844, 0.1993, 0.1624

Sweetspot

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



16.8853, 0.5336, 0.4145



59.0637, 0.3680, 0.3699



9.8909, 0.5022, 0.2540



12.3037, 0.3770, 0.3756



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.



16.8853, 0.5336, 0.4145



30.1533, 0.5361, 0.4126



39.9547, 0.4164, 0.5075



9.2154, 0.3274, 0.3409



12.5015, 0.5321, 0.4157



0.5093, 0.4927, 0.4470

Inverse Universe

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



9.4864, 0.1753, 0.1510



16.7472, 0.1744, 0.1480



3.1553, 0.1506, 0.0603



8.8772, 0.2985, 0.3168



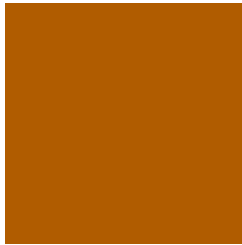
7.0723, 0.1758, 0.1528



0.3396, 0.1905, 0.2056

Previews

White Background



This preview shows how the Yxy color 16.8844, 0.5336, 0.4145 looks on a white background.

Color Contrast Check

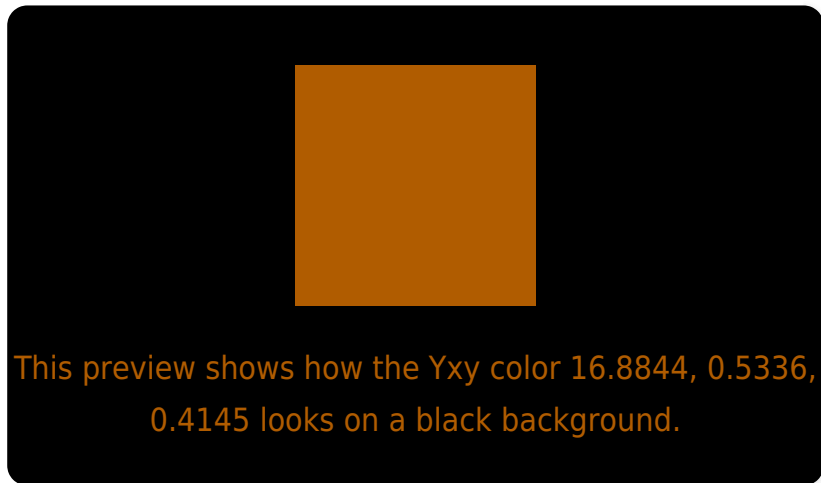
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.8844, 0.5336, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 16.8844, 0.5336, 0.4145.



This preview shows how white text looks on a background with the Yxy color 16.8844, 0.5336, 0.4145.

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

16.8844, 0.5336, 0.4145

Protanopia

17.0418, 0.4358, 0.4815

Deuteranopia

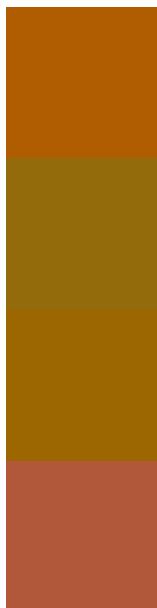
16.9570, 0.4701, 0.4649



Tritanopia

16.9946, 0.4515, 0.3223

Trichromacy



Original Color

16.8844, 0.5336, 0.4145

Protanomaly

16.7403, 0.4728, 0.4563

Deuteranomaly

16.7684, 0.4938, 0.4461

Tritanomaly

16.7499, 0.4980, 0.3689

Monochromacy



Original Color

16.8844, 0.5336, 0.4145

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.8256, 0.4065, 0.3937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8844, 0.5336, 0.4145 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(176, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 92, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8844, 0.5336, 0.4145 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(176, 92, 0) }
```

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

```
.border{ border-color:rgb(176, 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(176, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 92, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8844, 0.5336, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 92, 0) }
```

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

```
.background{ background-color: rgb(176, 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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