

Converting Colors

$Y_{xy}(17.4157, 0.5324, 0.4190)$

Have a look what the booklet for
Yxy(17.4157, 0.5324, 0.4190)
contains.

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Color

Yxy(17.3525, 0.5312, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	B15E00
RGB	177, 94, 0
RGB Percent	69%, 37%, 0%
CMY	0.3058, 0.6314, 0.9998
CMYK	0.00, 0.47, 1.00, 0.31
HSL	32°, 100%, 35%
HSV	32°, 100%, 69%
XYZ	22.1365, 17.3525, 2.1836
YIQ	108.1010, 79.6420, -11.6380

Conversions

Conversions Part 2

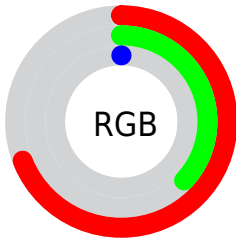
Format	Color
RYB	156, 177, 0
Decimal	11623936
CIELab	48.70, 28.74, 57.22
CIELCh	49, 64.030, 63.326
Yxy	17.3525, 0.5312, 0.4164
Android (android.graphics.Color)	4289814016 (0xFFB15E00)
YUV	108.1010, -53.2938, 60.4244
Hunter-Lab	41.6563, 21.9578, 26.0514

Details

The Yxy color **17.3525, 0.5312, 0.4164** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.3701, 0.1745, 0.1482**, and the grayscale version is **15.1635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9384, 0.4903, 0.4100**, and **5.7359, 0.5648, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **17.3500, 0.5312, 0.4164**, and if you desaturate by 10%, it is **18.9532, 0.5118, 0.4214**.

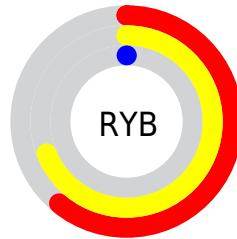
Distribution



Red (69%)

Green (37%)

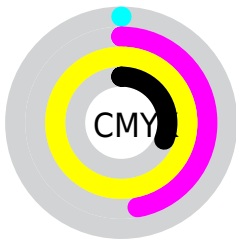
Blue (0%)



Red (61%)

Yellow (69%)

Blue (0%)

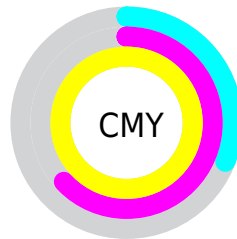


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3525, 0.5312, 0.4164 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 17.3525, 0.5312, 0.4164 by changing the saturation by 10% instead.


 17.3525, 0.5312,
0.4164


 17.3525, 0.5312,
0.4164


237.1956, 0.4139,
0.3837


 10.4861, 0.5579,
0.4157


 38.9309, 0.4894,
0.4102


 5.7225, 0.5906,
0.4094

 54.4116, 0.4731,
0.4058


 2.6771, 0.6169,
0.3831

 73.5327, 0.4592,
0.4015

 0.9656, 0.6607,
0.3393

 96.6784, 0.4474,
0.3973


 0.0000, 1.0000,
0.0000


 124.2331, 0.4372,
0.3934


 0.0000, 0.0000,
0.0000


 156.5813, 0.4284,


0.3899


 194.1074, 0.4207,
0.3866

 17.3525, 0.5312,
0.4164


 17.3525, 0.5312,
0.4164


 17.3500, 0.5312,
0.4164

 18.9532, 0.5118,
0.4214

 20.7551, 0.4895,
0.4218

 22.7784, 0.4647,
0.4173

 25.0346, 0.4388,
0.4086

 27.5339, 0.4132,
0.3971

■ 30.2855, 0.3890,
0.3838

■ 33.2982, 0.3666,
0.3698

■ 36.5800, 0.3465,
0.3557

■ 40.1387, 0.3285,
0.3420

Harmonies

Analogous

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



17.3525, 0.5439, 0.3380



17.3525, 0.5312, 0.4164



17.3525, 0.4570, 0.5006

Triad

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



17.3525, 0.5312, 0.4164



17.3525, 0.1651, 0.3793



17.3525, 0.2307, 0.1699

Complementary

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



17.3525, 0.5312, 0.4164



9.3701, 0.1745, 0.1482

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.



17.3525, 0.1588, 0.1606



17.3525, 0.5312, 0.4164



17.3525, 0.1261, 0.2513

Square

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



17.3525, 0.5312, 0.4164



17.3525, 0.2482, 0.5201



17.3525, 0.1257, 0.1833



17.3525, 0.3445, 0.2071

Rectangle

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



17.3525, 0.5312, 0.4164



17.3525, 0.3904, 0.5467



17.3525, 0.1257, 0.1833



17.3525, 0.2019, 0.1636

Sweetspot

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



17.3534, 0.5312, 0.4164



59.3261, 0.3678, 0.3705



10.0145, 0.5023, 0.2541



12.3664, 0.3767, 0.3763



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.



17.3534, 0.5312, 0.4164



30.6212, 0.5336, 0.4145



40.4552, 0.4164, 0.5075



9.2272, 0.3274, 0.3411



12.6913, 0.5297, 0.4176



0.5149, 0.4912, 0.4482

Inverse Universe

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



9.3701, 0.1745, 0.1482



16.3378, 0.1737, 0.1452



3.1950, 0.1506, 0.0603



8.8655, 0.2985, 0.3166



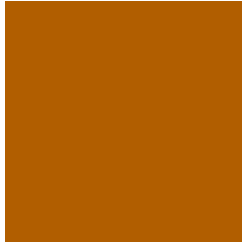
6.9050, 0.1750, 0.1501



0.3344, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 17.3525, 0.5312, 0.4164 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 17.3525, 0.5312, 0.4164 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 17.3525, 0.5312, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 17.3525, 0.5312, 0.4164.



This preview shows how white text looks on a background with the Yxy color 17.3525, 0.5312, 0.4164.

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

17.3525, 0.5312, 0.4164

Protanopia

17.5824, 0.4342, 0.4830

Deuteranopia

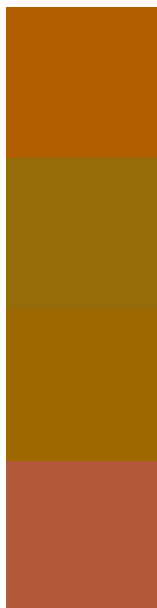
17.3549, 0.4710, 0.4642



Tritanopia

17.3278, 0.4471, 0.3195

Trichromacy



Original Color

17.3525, 0.5312, 0.4164

Protanomaly

17.2551, 0.4708, 0.4580

Deuteranomaly

17.1697, 0.4944, 0.4456

Tritanomaly

17.2223, 0.4942, 0.3690

Monochromacy



Original Color

17.3525, 0.5312, 0.4164

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.1167, 0.4058, 0.3933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3525, 0.5312, 0.4164 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(177, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(177, 94, 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(177, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.3525, 0.5312, 0.4164 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(177, 94, 0) }
```

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

```
.border{ border-color:rgb(177, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(177, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(177, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3525, 0.5312, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 94, 0) }
```

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

```
.background{ background-color: rgb(177, 94,  
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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