

Converting Colors

$Y_{xy}(15.5699, 0.5125, 0.3754)$

Have a look what the booklet for
Yxy(15.5699, 0.5125, 0.3754)
contains.

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Color

Yxy(15.6680, 0.5122, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	AF5430
RGB	175, 84, 48
RGB Percent	69%, 33%, 19%
CMY	0.3137, 0.6706, 0.8116
CMYK	0.00, 0.52, 0.73, 0.31
HSL	17°, 57%, 44%
HSV	17°, 73%, 69%
XYZ	21.3833, 15.6680, 4.6966
YIQ	107.1050, 65.7920, 8.0960

Conversions

Conversions Part 2

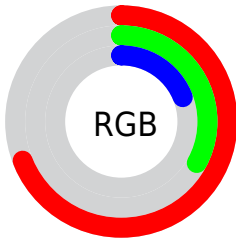
Format	Color
R_{YB}	175, 98, 48
Decimal	11490352
CIE Lab	46.54, 34.55, 37.68
CIE LCh	47, 51.121, 47.482
Yxy	15.6680, 0.5122, 0.3753
Android (android.graphics.Color)	4289680432 (0xFFAF5430)
YUV	107.1050, -29.1388, 59.5439
Hunter-Lab	39.5828, 27.1587, 20.6730

Details

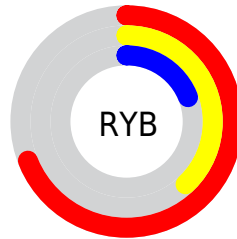
The Yxy color **15.6680, 0.5122, 0.3753** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.1962, 0.2159, 0.2634**, and the grayscale version is **14.8038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8346, 0.4668, 0.3714**, and **4.9862, 0.5883, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **13.7759, 0.5484, 0.3740**, and if you desaturate by 10%, it is **17.9674, 0.4748, 0.3728**.

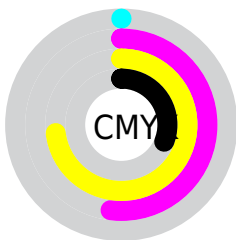
Distribution



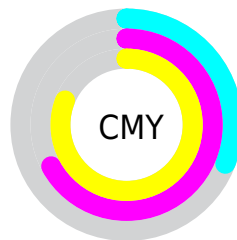
- Red (69%)
- Green (33%)
- Blue (19%)



- Red (69%)
- Yellow (38%)
- Blue (19%)



- Cyan (0%)
- Magenta (52%)
- Yellow (73%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6680, 0.5122, 0.3753 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 15.6680, 0.5122, 0.3753 by changing the saturation by 10% instead.


 15.6680, 0.5122,
0.3753


 15.6680, 0.5122,
0.3753


227.3746, 0.3968,
0.3580


 9.2895, 0.5446,
0.3742


 36.0209, 0.4670,
0.3720


 4.9305, 0.5887,
0.3690


 50.7641, 0.4509,
0.3697

 2.2065, 0.6479,
0.3521


 69.0643, 0.4377,
0.3674

 0.7236, 0.7059,
0.2941

 91.3059, 0.4267,
0.3652

 0.0000, 1.0000,
0.0000

 117.8734, 0.4175,
0.3632

 0.0000, 0.0000,
0.0000

 149.1510, 0.4096,

0.3613

185.5233, 0.4028,
0.3596

■ 15.6680, 0.5122,
0.3753

■ 15.6680, 0.5122,
0.3753

■ 13.7759, 0.5484,
0.3740

■ 17.9674, 0.4748,
0.3728

■ 12.2628, 0.5798,
0.3682

■ 20.6948, 0.4391,
0.3676

■ 11.3595, 0.5995,
0.3622

■ 23.8724, 0.4068,
0.3608

■ 27.5199, 0.3786,
0.3532

■ 31.6561, 0.3544,
0.3454

■ 36.2983, 0.3339,
0.3379

■ 41.4633, 0.3167,
0.3307

■ 47.1669, 0.3022,
0.3241

■ 53.4243, 0.2899,
0.3181

Harmonies

Analogous

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



15.6680, 0.4813, 0.3075



15.6680, 0.5122, 0.3753



15.6680, 0.4785, 0.4462

Triad

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



15.6680, 0.5122, 0.3753



15.6680, 0.2235, 0.4346



15.6680, 0.2057, 0.1832

Complementary

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



15.6680, 0.5122, 0.3753



22.1962, 0.2159, 0.2634

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.



15.6680, 0.1597, 0.1906



15.6680, 0.5122, 0.3753



15.6680, 0.1660, 0.3179

Square

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



15.6680, 0.5122, 0.3753



15.6680, 0.3108, 0.5137



15.6680, 0.1463, 0.2323



15.6680, 0.2864, 0.2035

Rectangle

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



15.6680, 0.5122, 0.3753



15.6680, 0.4314, 0.4893



15.6680, 0.1463, 0.2323



15.6680, 0.1865, 0.1824

Sweetspot

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



15.6689, 0.5122, 0.3753



56.8328, 0.3540, 0.3453



13.0949, 0.3760, 0.2104



12.1760, 0.3600, 0.3473



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.



15.6689, 0.5122, 0.3753



22.9817, 0.5679, 0.3711



30.3471, 0.4338, 0.4583



8.3711, 0.3280, 0.3355



8.2277, 0.5974, 0.3638



0.3227, 0.5382, 0.4108

Inverse Universe

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



22.1962, 0.2159, 0.2634



34.9399, 0.2042, 0.2465



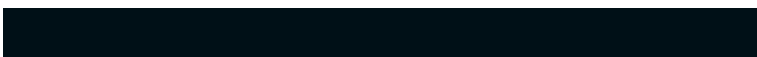
8.8299, 0.1857, 0.1424



8.6827, 0.2986, 0.3224



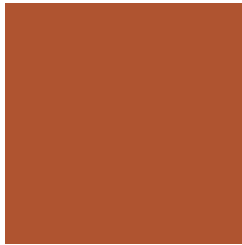
12.9041, 0.1988, 0.2357



0.4456, 0.2076, 0.2672

Previews

White Background



This preview shows how the Yxy color 15.6680, 0.5122, 0.3753 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 15.6680, 0.5122, 0.3753 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 15.6680, 0.5122, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 15.6680, 0.5122, 0.3753.



This preview shows how white text looks on a background with the Yxy color 15.6680, 0.5122, 0.3753.

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

15.6680, 0.5122, 0.3753

Protanopia

15.7920, 0.3980, 0.4357

Deuteranopia

15.6808, 0.4421, 0.4341



Tritanopia

15.7403, 0.4637, 0.3224

Trichromacy



Original Color

15.6680, 0.5122, 0.3753

Protanomaly

15.2271, 0.4405, 0.4120

Deuteranomaly

15.3182, 0.4689, 0.4102

Tritanomaly

15.5828, 0.4831, 0.3419

Monochromacy



Original Color

15.6680, 0.5122, 0.3753

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5011, 0.3825, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6680, 0.5122, 0.3753 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(175, 84, 48)` looks like.

```
.text, #text, p{  
    color:rgb(175, 84, 48)  
}
```

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(175, 84, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 84, 48) }
```

Border

The CSS property to change the border of an element to Yxy 15.6680, 0.5122, 0.3753 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(175, 84, 48) }
```

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

```
.border{ border-color:rgb(175, 84, 48) }
```

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

Here you see how a box with a 4 pixel rgb(175, 84, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 84, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 84, 48);  
box-shadow:4px 4px 4px 4px rgb(175, 84,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6680, 0.5122, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 84, 48) }
```

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

```
.background{ background-color: rgb(175, 84,  
48) }
```

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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