

Converting Colors

$Y_{xy}(15.6637, 0.5122, 0.3719)$

Have a look what the booklet for
Yxy(15.6637, 0.5122, 0.3719)
contains.

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Color

Yxy(15.6469, 0.5122, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	B05332
RGB	176, 83, 50
RGB Percent	69%, 33%, 20%
CMY	0.3098, 0.6745, 0.8040
CMYK	0.00, 0.53, 0.72, 0.31
HSL	16°, 56%, 44%
HSV	16°, 72%, 69%
XYZ	21.5729, 15.6469, 4.8983
YIQ	107.0450, 66.0210, 9.4530

Conversions

Conversions Part 2

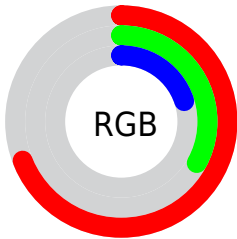
Format	Color
R _Y B	176, 95, 50
Decimal	11555634
CIE Lab	46.51, 35.57, 36.64
CIE LCh	47, 51.063, 45.853
Yxy	15.6469, 0.5122, 0.3715
Android (android.graphics.Color)	4289745714 (0xFFB05332)
YUV	107.0450, -28.1232, 60.4735
Hunter-Lab	39.5562, 28.1261, 20.3473

Details

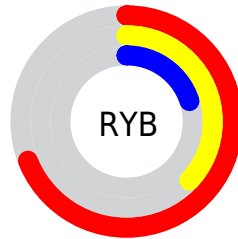
The Yxy color **15.6469, 0.5122, 0.3715** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **23.4482, 0.2180, 0.2695**, and the grayscale version is **14.7821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0427, 0.4657, 0.3692**, and **4.8784, 0.5888, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **13.7192, 0.5496, 0.3703**, and if you desaturate by 10%, it is **18.0070, 0.4739, 0.3691**.

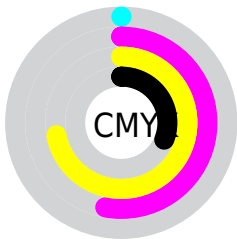
Distribution



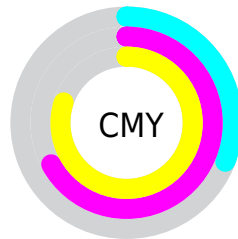
- Red (69%)
- Green (33%)
- Blue (20%)



- Red (69%)
- Yellow (37%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (72%)
- Black (31%)




- Cyan (31%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6469, 0.5122, 0.3715 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 15.6469, 0.5122, 0.3715 by changing the saturation by 10% instead.


 15.6469, 0.5122,
0.3715


 15.6469, 0.5122,
0.3715


227.2490, 0.3965,
0.3562


 9.2746, 0.5450,
0.3701


 35.9841, 0.4667,
0.3689


 4.9208, 0.5891,
0.3640

 50.7179, 0.4506,
0.3669

 2.2008, 0.6520,
0.3480

 69.0075, 0.4374,
0.3648

 0.7205, 0.7110,
0.2890

 91.2376, 0.4264,
0.3628

 0.0000, 1.0000,
0.0000

 117.7923, 0.4172,
0.3609

 0.0000, 0.0000,
0.0000

 149.0562, 0.4093,

0.3592

185.4137, 0.4025,
0.3576

■ 15.6469, 0.5122,
0.3715

■ 15.6469, 0.5122,
0.3715

■ 13.7192, 0.5496,
0.3703

■ 18.0070, 0.4739,
0.3691

■ 12.1934, 0.5821,
0.3649

■ 20.8221, 0.4376,
0.3642

■ 11.1939, 0.6044,
0.3583

■ 24.1163, 0.4050,
0.3578

■ 27.9110, 0.3766,
0.3507

■ 32.2264, 0.3525,
0.3435

■ 37.0815, 0.3322,
0.3366

■ 42.4943, 0.3152,
0.3300

■ 48.4821, 0.3009,
0.3239

■ 55.0612, 0.2889,
0.3184

Harmonies

Analogous

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



15.6469, 0.4776, 0.3040



15.6469, 0.5122, 0.3715



15.6469, 0.4816, 0.4423

Triad

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



15.6469, 0.5122, 0.3715



15.6469, 0.2277, 0.4406



15.6469, 0.2023, 0.1830

Complementary

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



15.6469, 0.5122, 0.3715



23.4482, 0.2180, 0.2695

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.



15.6469, 0.1583, 0.1920



15.6469, 0.5122, 0.3715



15.6469, 0.1683, 0.3238

Square

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



15.6469, 0.5122, 0.3715



15.6469, 0.3159, 0.5153



15.6469, 0.1466, 0.2358



15.6469, 0.2812, 0.2018

Rectangle

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



15.6469, 0.5122, 0.3715



15.6469, 0.4357, 0.4861



15.6469, 0.1466, 0.2358



15.6469, 0.1839, 0.1827

Sweetspot

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



15.6478, 0.5122, 0.3715



58.6444, 0.3520, 0.3434



13.5382, 0.3677, 0.2064



12.2319, 0.3581, 0.3453



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.



15.6478, 0.5122, 0.3715



23.1641, 0.5696, 0.3676



29.5565, 0.4369, 0.4526



8.8555, 0.3281, 0.3350



8.2966, 0.6026, 0.3597



0.3582, 0.5474, 0.4035

Inverse Universe

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



23.4482, 0.2180, 0.2695



37.7442, 0.2065, 0.2540



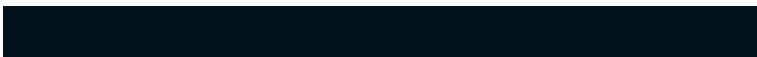
9.7692, 0.1889, 0.1521



9.2471, 0.2986, 0.3229



14.0880, 0.2008, 0.2430



0.5319, 0.2083, 0.2698

Previews

White Background



This preview shows how the Yxy color 15.6469, 0.5122, 0.3715 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 15.6469, 0.5122, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

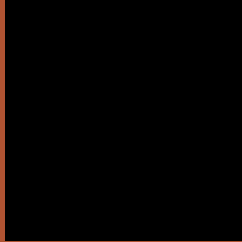
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.6469, 0.5122, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 15.6469, 0.5122, 0.3715.



This preview shows how white text looks on a background with the Yxy color 15.6469, 0.5122, 0.3715.

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

15.6469, 0.5122, 0.3715

Protanopia

15.8222, 0.3946, 0.4305

Deuteranopia

15.6959, 0.4401, 0.4316



Tritanopia

15.6970, 0.4676, 0.3225

Trichromacy



Original Color

15.6469, 0.5122, 0.3715

Protanomaly

15.3437, 0.4383, 0.4070

Deuteranomaly

15.4300, 0.4680, 0.4071

Tritanomaly

15.5523, 0.4853, 0.3404

Monochromacy



Original Color

15.6469, 0.5122, 0.3715

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.3128, 0.3831, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6469, 0.5122, 0.3715 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, 83, 50)` looks like.

```
.text, #text, p{  
    color:rgb(176, 83, 50)  
}
```

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, 83, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 83, 50) }
```

Border

The CSS property to change the border of an element to Yxy 15.6469, 0.5122, 0.3715 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, 83, 50) }
```

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

```
.border{ border-color:rgb(176, 83, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 83, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 83, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 83, 50);  
box-shadow:4px 4px 4px 4px rgb(176, 83,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6469, 0.5122, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 83, 50) }
```

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

```
.background{ background-color: rgb(176, 83,  
50) }
```

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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