

Converting Colors

$Y_{xy}(15.4118, 0.5556, 0.3806)$

Have a look what the booklet for
Yxy(15.4118, 0.5556, 0.3806)
contains.

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Color

Yxy(15.4211, 0.5553, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	B84C17
RGB	184, 76, 23
RGB Percent	72%, 30%, 9%
CMY	0.2785, 0.7019, 0.9097
CMYK	0.00, 0.59, 0.87, 0.28
HSL	20°, 78%, 41%
HSV	20°, 87%, 72%
XYZ	22.5055, 15.4211, 2.6019
YIQ	102.2500, 81.3810, 6.4130

Conversions

Conversions Part 2

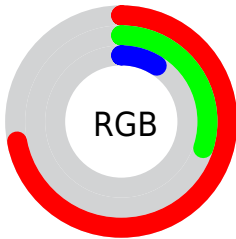
Format	Color
RYB	184, 102, 23
Decimal	12078103
CIELab	46.21, 41.20, 49.64
CIELCh	46, 64.514, 50.310
Yxy	15.4211, 0.5553, 0.3805
Android (android.graphics.Color)	4290268183 (0xFFB84C17)
YUV	102.2500, -39.0702, 71.6948
Hunter-Lab	39.2697, 33.5764, 23.5604

Details

The Yxy color **15.4211, 0.5553, 0.3805** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.8761, 0.2008, 0.2331**, and the grayscale version is **13.4459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5122, 0.5039, 0.3813**, and **4.8237, 0.6149, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **13.8293, 0.5824, 0.3728**, and if you desaturate by 10%, it is **17.3903, 0.5227, 0.3837**.

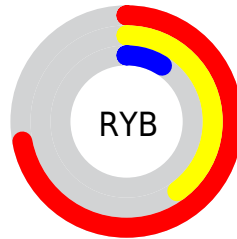
Distribution



Red (72%)

Green (30%)

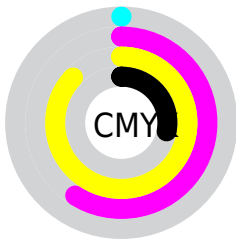
Blue (9%)



Red (72%)

Yellow (40%)

Blue (9%)

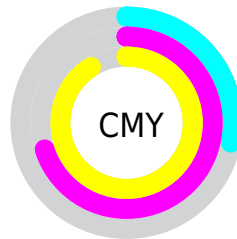


Cyan (0%)

Magenta (59%)

Yellow (87%)

Black (28%)



Cyan (28%)


Magenta (70%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4211, 0.5553, 0.3805 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 15.4211, 0.5553, 0.3805 by changing the saturation by 10% instead.


 15.4211, 0.5553,
0.3805


 15.4211, 0.5553,
0.3805


225.9011, 0.4193,
0.3675


 9.1155, 0.5891,
0.3743


 35.5902, 0.5045,
0.3816


 4.8166, 0.6368,
0.3632

 50.2225, 0.4855,
0.3799


 2.1400, 0.6746,
0.3254

 68.3991, 0.4696,
0.3779

 0.6870, 0.7396,
0.2604

 90.5045, 0.4563,
0.3757


 0.0000, 1.0000,
0.0000


 116.9230, 0.4449,
0.3735


 0.0000, 0.0000,
0.0000

 148.0390, 0.4352,

0.3713

 184.2369, 0.4267,
0.3693

 15.4211, 0.5553,
0.3805


 15.4211, 0.5553,
0.3805


 13.8293, 0.5824,
0.3728


 17.3903, 0.5227,
0.3837

 13.4813, 0.5888,
0.3707

 19.7624, 0.4874,
0.3823

 22.5617, 0.4525,
0.3773

 25.8094, 0.4199,
0.3700

 29.5255, 0.3907,
0.3615

■ 33.7283, 0.3652,
0.3525

■ 38.4354, 0.3434,
0.3436

■ 43.6631, 0.3248,
0.3350

■ 49.4273, 0.3090,
0.3271

Harmonies

Analogous

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



15.4211, 0.5320, 0.3040



15.4211, 0.5553, 0.3805



15.4211, 0.4994, 0.4664

Triad

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



15.4211, 0.5553, 0.3805



15.4211, 0.1907, 0.4520



15.4211, 0.1896, 0.1568

Complementary

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



15.4211, 0.5553, 0.3805



19.8761, 0.2008, 0.2331

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.



15.4211, 0.1345, 0.1602



15.4211, 0.5553, 0.3805



15.4211, 0.1312, 0.2972

Square

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



15.4211, 0.5553, 0.3805



15.4211, 0.2908, 0.5654



15.4211, 0.1156, 0.2006



15.4211, 0.2893, 0.1828

Rectangle

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



15.4211, 0.5553, 0.3805



15.4211, 0.4368, 0.5244



15.4211, 0.1156, 0.2006



15.4211, 0.1667, 0.1546

Sweetspot

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



15.4220, 0.5553, 0.3805



62.0019, 0.3627, 0.3516



12.4972, 0.4042, 0.2078



12.7735, 0.3709, 0.3546



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



15.4220, 0.5553, 0.3805



24.0514, 0.5916, 0.3684



33.5222, 0.4464, 0.4742



9.4823, 0.3280, 0.3366



9.4088, 0.5865, 0.3725



0.4480, 0.5353, 0.4132

Inverse Universe

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



19.8761, 0.2008, 0.2331



31.6908, 0.1933, 0.2157



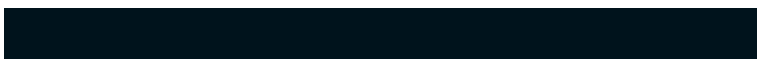
6.1465, 0.1644, 0.0985



9.6988, 0.2985, 0.3213



12.3551, 0.1942, 0.2192



0.5436, 0.2030, 0.2509

Previews

White Background



This preview shows how the Yxy color 15.4211, 0.5553, 0.3805 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 15.4211, 0.5553, 0.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

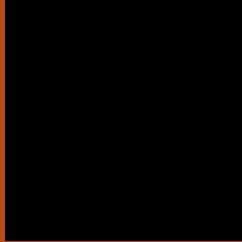
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4211, 0.5553, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 15.4211, 0.5553, 0.3805.



This preview shows how white text looks on a background with the Yxy color 15.4211, 0.5553, 0.3805.

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

15.4211, 0.5553, 0.3805

Protanopia

15.5412, 0.4248, 0.4666

Deuteranopia

15.3896, 0.4707, 0.4644



Tritanopia

15.4536, 0.4993, 0.3246

Trichromacy



Original Color

15.4211, 0.5553, 0.3805

Protanomaly

14.9351, 0.4758, 0.4322

Deuteranomaly

14.9915, 0.5054, 0.4314

Tritanomaly

15.3649, 0.5256, 0.3495

Monochromacy



Original Color

15.4211, 0.5553, 0.3805

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2153, 0.4072, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4211, 0.5553, 0.3805 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(184, 76, 23)` looks like.

```
.text, #text, p{  
  color:rgb(184, 76, 23)  
}
```

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(184, 76, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 76, 23) }
```

Border

The CSS property to change the border of an element to Yxy 15.4211, 0.5553, 0.3805 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(184, 76, 23) }
```

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

```
.border{ border-color:rgb(184, 76, 23) }
```

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

Here you see how a box with a 4 pixel rgb(184, 76, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 76, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 76, 23);  
box-shadow:4px 4px 4px 4px rgb(184, 76,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4211, 0.5553, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 76, 23) }
```

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

```
.background{ background-color: rgb(184, 76,  
23) }
```

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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