

Converting Colors

$Y_{xy}(15.7031, 0.5383, 0.3682)$

Have a look what the booklet for
Yxy(15.7031, 0.5383, 0.3682)
contains.

Yxy(15.7892, 0.5381, 0.3681)	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(15.7892, 0.5381, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	B94D2A
RGB	185, 77, 42
RGB Percent	73%, 30%, 16%
CMY	0.2745, 0.6980, 0.8352
CMYK	0.00, 0.58, 0.77, 0.27
HSL	15°, 63%, 45%
HSV	15°, 77%, 73%
XYZ	23.0811, 15.7892, 4.0234
YIQ	105.3020, 75.6030, 12.0110

Conversions

Conversions Part 2

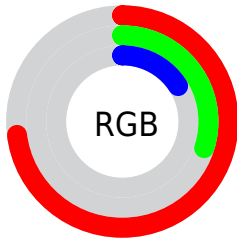
Format	Color
R_{YB}	185, 88, 42
Decimal	12143914
CIE _{Lab}	46.70, 41.70, 41.48
CIE _{LCh}	47, 58.818, 44.850
Yxy	15.7892, 0.5381, 0.3681
Android (android.graphics.Color)	4290333994 (0xFFB94D2A)
YUV	105.3020, -31.2079, 69.8951
Hunter-Lab	39.7356, 34.1475, 21.8115

Details

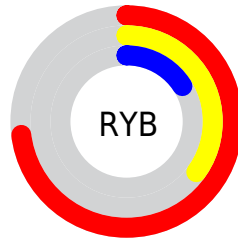
The Yxy color **15.7892, 0.5381, 0.3681** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **25.8181, 0.2143, 0.2683**, and the grayscale version is **14.2845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2129, 0.4884, 0.3680**, and **5.0132, 0.6142, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **13.9368, 0.5737, 0.3643**, and if you desaturate by 10%, it is **18.1247, 0.4990, 0.3680**.

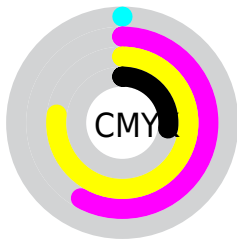
Distribution



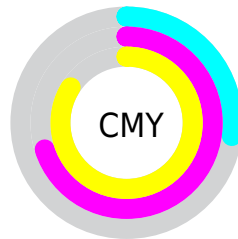
- Red (73%)
- Green (30%)
- Blue (16%)



- Red (73%)
- Yellow (35%)
- Blue (16%)



- Cyan (0%)
- Magenta (58%)
- Yellow (77%)
- Black (27%)





- Cyan (27%)
- Magenta (70%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7892, 0.5381, 0.3681 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 15.7892, 0.5381, 0.3681 by changing the saturation by 10% instead.


 15.7892, 0.5381,
0.3681


 15.7892, 0.5381,
0.3681


228.0946, 0.4091,
0.3579


 9.3751, 0.5729,
0.3635


 36.2319, 0.4883,
0.3686


 4.9867, 0.6225,
0.3549

 51.0292, 0.4703,
0.3673


 2.2394, 0.6741,
0.3259

 69.3898, 0.4554,
0.3658

 0.7414, 0.7359,
0.2641

 91.6980, 0.4430,
0.3641

 0.0000, 1.0000,
0.0000

 118.3381, 0.4326,
0.3624

 0.0000, 0.0000,
0.0000

 149.6947, 0.4236,

0.3608

186.1521, 0.4158,
0.3593

■ 15.7892, 0.5381,
0.3681

■ 15.7892, 0.5381,
0.3681

■ 13.9368, 0.5737,
0.3643

■ 18.1247, 0.4990,
0.3680

■ 12.5269, 0.6020,
0.3568

■ 20.9728, 0.4603,
0.3648

■ 12.2117, 0.6088,
0.3548

■ 24.3636, 0.4247,
0.3595

■ 28.3241, 0.3932,
0.3532

■ 32.8794, 0.3663,
0.3465

■ 38.0530, 0.3436,
0.3398

■ 43.8671, 0.3246,
0.3334

■ 50.3430, 0.3087,
0.3274

■ 57.5006, 0.2954,
0.3220

Harmonies

Analogous

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



15.7892, 0.4987, 0.2959



15.7892, 0.5381, 0.3681



15.7892, 0.5012, 0.4467

Triad

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



15.7892, 0.5381, 0.3681



15.7892, 0.2173, 0.4639



15.7892, 0.1868, 0.1670

Complementary

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



15.7892, 0.5381, 0.3681



25.8181, 0.2143, 0.2683

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.



15.7892, 0.1409, 0.1767



15.7892, 0.5381, 0.3681



15.7892, 0.1520, 0.3248

Square

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



15.7892, 0.5381, 0.3681



15.7892, 0.3152, 0.5468



15.7892, 0.1289, 0.2242



15.7892, 0.2724, 0.1867

Rectangle

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



15.7892, 0.5381, 0.3681



15.7892, 0.4487, 0.4991



15.7892, 0.1289, 0.2242



15.7892, 0.1674, 0.1667

Sweetspot

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



15.7901, 0.5381, 0.3681



62.3708, 0.3569, 0.3438



14.2280, 0.3697, 0.1987



12.7538, 0.3655, 0.3462



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.



15.7901, 0.5381, 0.3681



23.0586, 0.5949, 0.3590



31.3120, 0.4485, 0.4553



9.3596, 0.3282, 0.3347



8.4126, 0.6067, 0.3565



0.3965, 0.5555, 0.3971

Inverse Universe

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



25.8181, 0.2143, 0.2683



41.1592, 0.2045, 0.2527



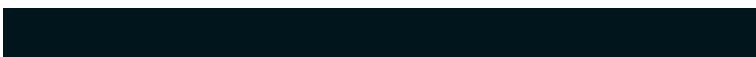
9.7552, 0.1813, 0.1404



9.8283, 0.2985, 0.3233



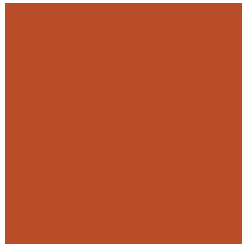
15.2243, 0.2025, 0.2490



0.6274, 0.2089, 0.2720

Previews

White Background



This preview shows how the Yxy color 15.7892, 0.5381, 0.3681 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 15.7892, 0.5381, 0.3681 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 15.7892, 0.5381, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 15.7892, 0.5381, 0.3681.



This preview shows how white text looks on a background with the Yxy color 15.7892, 0.5381, 0.3681.

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

15.7892, 0.5381, 0.3681

Protanopia

15.8278, 0.4038, 0.4416

Deuteranopia

15.9990, 0.4516, 0.4444



Tritanopia

15.7542, 0.4925, 0.3232

Trichromacy



Original Color

15.7892, 0.5381, 0.3681

Protanomaly

15.2481, 0.4560, 0.4127

Deuteranomaly

15.3859, 0.4864, 0.4126

Tritanomaly

15.7183, 0.5124, 0.3405

Monochromacy



Original Color

15.7892, 0.5381, 0.3681

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8619, 0.3945, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7892, 0.5381, 0.3681 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(185, 77, 42)` looks like.

```
.text, #text, p{  
    color:rgb(185, 77, 42)  
}
```

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(185, 77, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 77, 42) }
```

Border

The CSS property to change the border of an element to Yxy 15.7892, 0.5381, 0.3681 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(185, 77, 42) }
```

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

```
.border{ border-color:rgb(185, 77, 42) }
```

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

Here you see how a box with a 4 pixel rgb(185, 77, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 77, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 77, 42);  
box-shadow:4px 4px 4px 4px rgb(185, 77,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7892, 0.5381, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 77, 42) }
```

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

```
.background{ background-color: rgb(185, 77,  
42) }
```

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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