

Converting Colors

$Y_{xy}(12.3313, 0.4802, 0.3846)$

Have a look what the booklet for
Yxy(12.3313, 0.4802, 0.3846)
contains.

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Color

Yxy(12.3590, 0.4794, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	925230
RGB	146, 82, 48
RGB Percent	57%, 32%, 19%
CMY	0.4274, 0.6784, 0.8117
CMYK	0.00, 0.44, 0.67, 0.43
HSL	21°, 51%, 38%
HSV	21°, 67%, 57%
XYZ	15.4054, 12.3590, 4.3703
YIQ	97.2600, 49.0580, 2.9940

Conversions

Conversions Part 2

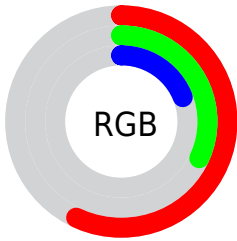
Format	Color
R _Y B	146, 100, 48
Decimal	9589296
CIE Lab	41.78, 23.56, 31.15
CIE LCh	42, 39.051, 52.897
Yxy	12.3590, 0.4794, 0.3846
Android (android.graphics.Color)	4287779376 (0xFF925230)
YUV	97.2600, -24.2852, 42.7450
Hunter-Lab	35.1554, 16.6983, 17.2382

Details

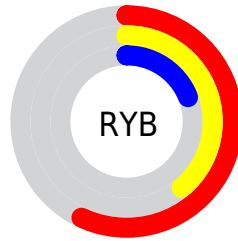
The Yxy color **12.3590, 0.4794, 0.3846** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.2935, 0.2187, 0.2561**, and the grayscale version is **12.0738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1661, 0.4393, 0.3762**, and **3.4881, 0.5575, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **10.9187, 0.5133, 0.3870**, and if you desaturate by 10%, it is **14.0402, 0.4461, 0.3789**.

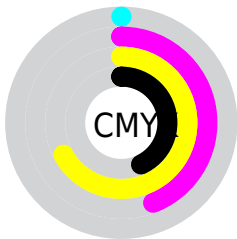
Distribution



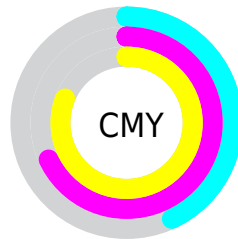
- Red (57%)
- Green (32%)
- Blue (19%)



- Red (57%)
- Yellow (39%)
- Blue (19%)



- Cyan (0%)
- Magenta (44%)
- Yellow (67%)
- Black (43%)





- Cyan (43%)
- Magenta (68%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3590, 0.4794, 0.3846 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 12.3590, 0.4794, 0.3846 by changing the saturation by 10% instead.


 12.3590, 0.4794,
0.3846


 12.3590, 0.4794,
0.3846


206.7677, 0.3790,
0.3576

 6.9887, 0.5104,
0.3880


 30.1473, 0.4384,
0.3762


 3.4550, 0.5579,
0.3914

 43.3340, 0.4244,
0.3725

 1.3736, 0.6196,
0.3804

 59.8950, 0.4131,
0.3692

 0.1972, 0.7945,
0.2055

 80.2147, 0.4038,
0.3662

 0.0000, 0.0000,
0.0000

 104.6774, 0.3960,
0.3637

 133.6675, 0.3895,

0.3614

167.5695, 0.3839,
0.3594

■ 12.3590, 0.4794,
0.3846

■ 12.3590, 0.4794,
0.3846

■ 10.9187, 0.5133,
0.3870

■ 14.0402, 0.4461,
0.3789

■ 9.7051, 0.5453,
0.3850

■ 15.9715, 0.4151,
0.3711

■ 8.7030, 0.5731,
0.3787

■ 18.1641, 0.3873,
0.3622

■ 8.4485, 0.5810,
0.3769

■ 20.6277, 0.3629,
0.3529

■ 23.3717, 0.3419,
0.3437

■ 26.4048, 0.3239,
0.3349

■ 29.7354, 0.3085,
0.3267

■ 33.3715, 0.2955,
0.3191

■ 37.3209, 0.2843,
0.3121

Harmonies

Analogous

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



12.3590, 0.4614, 0.3239



12.3590, 0.4794, 0.3846



12.3590, 0.4464, 0.4434

Triad

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



12.3590, 0.4794, 0.3846



12.3590, 0.2280, 0.3984



12.3590, 0.2326, 0.2049

Complementary

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



12.3590, 0.4794, 0.3846



14.2935, 0.2187, 0.2561

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.



12.3590, 0.1862, 0.2077



12.3590, 0.4794, 0.3846



12.3590, 0.1825, 0.3066

Square

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



12.3590, 0.4794, 0.3846



12.3590, 0.3001, 0.4714



12.3590, 0.1693, 0.2399



12.3590, 0.3068, 0.2267

Rectangle

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



12.3590, 0.4794, 0.3846



12.3590, 0.4046, 0.4737



12.3590, 0.1693, 0.2399



12.3590, 0.2138, 0.2029

Sweetspot

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



12.3596, 0.4794, 0.3846



39.5833, 0.3484, 0.3467



9.4254, 0.3785, 0.2242



8.5356, 0.3536, 0.3490



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.3596, 0.4794, 0.3846



18.0315, 0.5314, 0.3865



22.2023, 0.4188, 0.4574



6.1249, 0.3274, 0.3367



7.4729, 0.5801, 0.3776



0.1426, 0.5071, 0.4355

Inverse Universe

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



14.2935, 0.2187, 0.2561



21.5503, 0.2040, 0.2359



6.4090, 0.1936, 0.1502



6.2269, 0.2989, 0.3211



9.1267, 0.1929, 0.2142



0.1670, 0.2089, 0.2721

Previews

White Background



This preview shows how the Yxy color 12.3590, 0.4794, 0.3846 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 12.3590, 0.4794, 0.3846 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 12.3590, 0.4794, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 12.3590, 0.4794, 0.3846.



This preview shows how white text looks on a background with the Yxy color 12.3590, 0.4794, 0.3846.

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

12.3590, 0.4794, 0.3846

Protanopia

12.4412, 0.3921, 0.4266

Deuteranopia

12.4058, 0.4321, 0.4240



Tritanopia

12.3692, 0.4278, 0.3207

Trichromacy



Original Color

12.3590, 0.4794, 0.3846

Protanomaly

12.2142, 0.4226, 0.4110

Deuteranomaly

12.3349, 0.4488, 0.4098

Tritanomaly

12.2372, 0.4490, 0.3448

Monochromacy



Original Color

12.3590, 0.4794, 0.3846

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8636, 0.3706, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3590, 0.4794, 0.3846 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(146, 82, 48)` looks like.

```
.text, #text, p{  
  color:rgb(146, 82, 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(146, 82, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 82, 48) }
```

Border

The CSS property to change the border of an element to Yxy 12.3590, 0.4794, 0.3846 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(146, 82, 48) }
```

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

```
.border{ border-color:rgb(146, 82, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 82, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 82, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 82, 48);  
box-shadow:4px 4px 4px 4px rgb(146, 82,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3590, 0.4794, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 82, 48) }
```

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

```
.background{ background-color: rgb(146, 82,  
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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