

Converting Colors

$Y_{xy}(13.0365, 0.4566, 0.3760)$

Have a look what the booklet for
Yxy(13.0365, 0.4566, 0.3760)
contains.

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Color

Yxy(12.9911, 0.4565, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	91563B
RGB	145, 86, 59
RGB Percent	57%, 34%, 23%
CMY	0.4314, 0.6627, 0.7686
CMYK	0.00, 0.41, 0.59, 0.43
HSL	19°, 42%, 40%
HSV	19°, 59%, 57%
XYZ	15.7934, 12.9911, 5.8123
YIQ	100.5630, 43.8310, 4.1110

Conversions

Conversions Part 2

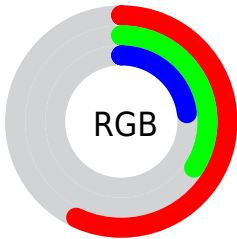
Format	Color
R_{YB}	145, 98, 59
Decimal	9524795
CIE _{Lab}	42.75, 21.65, 25.99
CIE _{LCh}	43, 33.825, 50.200
Yxy	12.9911, 0.4565, 0.3755
Android (android.graphics.Color)	4287714875 (0xFF91563B)
YUV	100.5630, -20.4906, 38.9712
Hunter-Lab	36.0432, 15.1398, 15.6692

Details

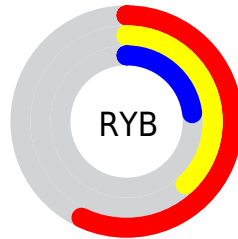
The Yxy color **12.9911, 0.4565, 0.3755** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.9268, 0.2290, 0.2724**, and the grayscale version is **12.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2264, 0.4209, 0.3670**, and **3.7791, 0.5222, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **11.3823, 0.4915, 0.3799**, and if you desaturate by 10%, it is **14.8640, 0.4237, 0.3689**.

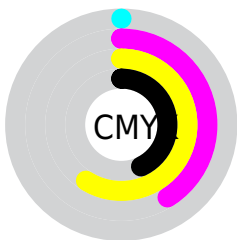
Distribution



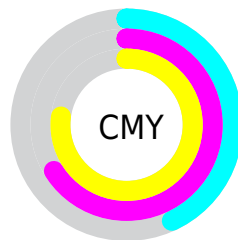
- Red (57%)
- Green (34%)
- Blue (23%)



- Red (57%)
- Yellow (38%)
- Blue (23%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (43%)





- Cyan (43%)
- Magenta (66%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9911, 0.4565, 0.3755 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 12.9911, 0.4565, 0.3755 by changing the saturation by 10% instead.

 12.9911, 0.4565,
0.3755

 12.9911, 0.4565,
0.3755


210.8606, 0.3697,
0.3521


 7.4224, 0.4842,
0.3796


 31.2878, 0.4207,
0.3677


 3.7277, 0.5233,
0.3819

 44.7846, 0.4086,
0.3644


 1.5224, 0.6064,
0.3936

 61.6929, 0.3989,
0.3616

 0.3044, 0.7288,
0.2712

 82.3971, 0.3909,
0.3592

 0.0000, 0.0000,
0.0000

 107.2816, 0.3843,
0.3570

 136.7307, 0.3787,

0.3552

171.1289, 0.3739,
0.3535

■ 12.9911, 0.4565,
0.3755

■ 12.9911, 0.4565,
0.3755

■ 11.3823, 0.4915,
0.3799

■ 14.8640, 0.4237,
0.3689

■ 10.0231, 0.5268,
0.3808

■ 17.0108, 0.3943,
0.3610

■ 8.9002, 0.5593,
0.3774

■ 19.4431, 0.3686,
0.3525

■ 7.9931, 0.5874,
0.3707

■ 22.1712, 0.3465,
0.3442

■ 7.9375, 0.5894,
0.3702

■ 25.2049, 0.3277,
0.3361

■ 28.5534, 0.3117,
0.3285

■ 32.2257, 0.2982,
0.3215

■ 36.2304, 0.2867,
0.3150

■ 40.5756, 0.2769,
0.3091

Harmonies

Analogous

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



12.9911, 0.4358, 0.3217



12.9911, 0.4565, 0.3755



12.9911, 0.4335, 0.4263

Triad

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



12.9911, 0.4565, 0.3755



12.9911, 0.2454, 0.3943



12.9911, 0.2389, 0.2195

Complementary

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



12.9911, 0.4565, 0.3755



15.9268, 0.2290, 0.2724

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.



12.9911, 0.1996, 0.2251



12.9911, 0.4565, 0.3755



12.9911, 0.2021, 0.3178

Square

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



12.9911, 0.4565, 0.3755



12.9911, 0.3099, 0.4513



12.9911, 0.1870, 0.2573



12.9911, 0.3019, 0.2369

Rectangle

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



12.9911, 0.4565, 0.3755



12.9911, 0.3995, 0.4517



12.9911, 0.1870, 0.2573



12.9911, 0.2229, 0.2187

Sweetspot

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



12.9918, 0.4565, 0.3755



40.1938, 0.3446, 0.3434



10.4834, 0.3626, 0.2293



8.6410, 0.3500, 0.3456



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.



12.9918, 0.4565, 0.3755



19.5669, 0.5028, 0.3806



21.7197, 0.4102, 0.4420



5.6833, 0.3274, 0.3360



6.8513, 0.5883, 0.3711



0.1015, 0.5151, 0.4292

Inverse Universe

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



15.9268, 0.2290, 0.2724



25.2147, 0.2151, 0.2572



8.1699, 0.2089, 0.1794



5.8344, 0.2990, 0.3219



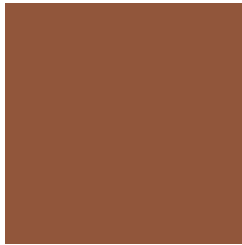
9.5298, 0.1961, 0.2259



0.1307, 0.2107, 0.2785

Previews

White Background



This preview shows how the Yxy color 12.9911, 0.4565, 0.3755 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 12.9911, 0.4565, 0.3755 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 12.9911, 0.4565, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 12.9911, 0.4565, 0.3755.



This preview shows how white text looks on a background with the Yxy color 12.9911, 0.4565, 0.3755.

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

12.9911, 0.4565, 0.3755

Protanopia

13.0040, 0.3772, 0.4074

Deuteranopia

13.1299, 0.4144, 0.4083



Tritanopia

12.9422, 0.4141, 0.3188

Trichromacy



Original Color

12.9911, 0.4565, 0.3755

Protanomaly

12.9356, 0.4053, 0.3958

Deuteranomaly

13.0397, 0.4300, 0.3951

Tritanomaly

12.8333, 0.4313, 0.3399

Monochromacy



Original Color

12.9911, 0.4565, 0.3755

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8195, 0.3606, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9911, 0.4565, 0.3755 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(145, 86, 59)` looks like.

```
.text, #text, p{  
    color:rgb(145, 86, 59)  
}
```

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(145, 86, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 86, 59) }
```

Border

The CSS property to change the border of an element to Yxy 12.9911, 0.4565, 0.3755 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(145, 86, 59) }
```

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

```
.border{ border-color:rgb(145, 86, 59) }
```

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

Here you see how a box with a 4 pixel rgb(145, 86, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 86, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 86, 59);  
box-shadow:4px 4px 4px 4px rgb(145, 86,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9911, 0.4565, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 86, 59) }
```

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

```
.background{ background-color: rgb(145, 86,  
59) }
```

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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