

Converting Colors

$Y_{xy}(12.0443, 0.4683, 0.3651)$

Have a look what the booklet for
Yxy(12.0443, 0.4683, 0.3651)
contains.

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Color

Yxy(12.0084, 0.4681, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	924F3A
RGB	146, 79, 58
RGB Percent	57%, 31%, 23%
CMY	0.4275, 0.6902, 0.7726
CMYK	0.00, 0.46, 0.60, 0.43
HSL	14°, 43%, 40%
HSV	14°, 60%, 57%
XYZ	15.4130, 12.0084, 5.5054
YIQ	96.6390, 46.6730, 7.6730

Conversions

Conversions Part 2

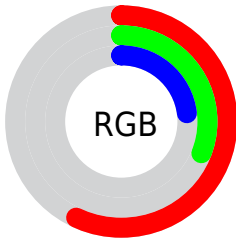
Format	Color
R_{YB}	146, 86, 58
Decimal	9588538
CIE _{Lab}	41.23, 25.98, 24.72
CIE _{LCh}	41, 35.859, 43.571
Yxy	12.0084, 0.4681, 0.3647
Android (android.graphics.Color)	4287778618 (0xFF924F3A)
YUV	96.6390, -19.0490, 43.2896
Hunter-Lab	34.6531, 18.7503, 14.8378

Details

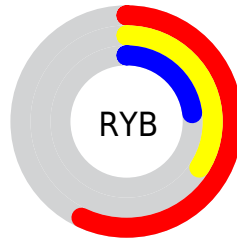
The Yxy color **12.0084, 0.4681, 0.3647** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.6333, 0.2310, 0.2856**, and the grayscale version is **11.8999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4376, 0.4279, 0.3591**, and **3.2917, 0.5441, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **10.4096, 0.5066, 0.3673**, and if you desaturate by 10%, it is **13.9186, 0.4322, 0.3600**.

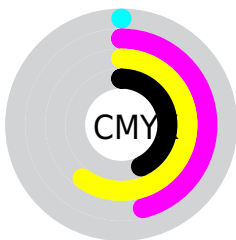
Distribution



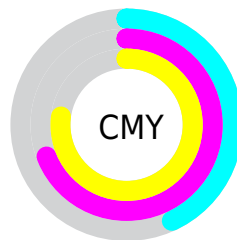
- Red (57%)
- Green (31%)
- Blue (23%)



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



- Cyan (0%)
- Magenta (46%)
- Yellow (60%)
- Black (43%)



- Cyan (43%)
- Magenta (69%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0084, 0.4681, 0.3647 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 12.0084, 0.4681, 0.3647 by changing the saturation by 10% instead.


 12.0084, 0.4681,
0.3647


 12.0084, 0.4681,
0.3647


204.4609, 0.3732,
0.3481

 6.7494, 0.4991,
0.3662


 29.5104, 0.4285,
0.3599


 3.3059, 0.5437,
0.3647

 42.5222, 0.4153,
0.3575


 1.2934, 0.6339,
0.3661

 58.8870, 0.4047,
0.3555

 0.1361, 0.8487,
0.1513

 78.9893, 0.3960,
0.3536

 0.0000, 0.0000,
0.0000

 103.2135, 0.3889,
0.3520

 131.9439, 0.3828,

0.3505

165.5649, 0.3776,
0.3492

■ 12.0084, 0.4681,
0.3647

■ 12.0084, 0.4681,
0.3647

■ 10.4096, 0.5066,
0.3673

■ 13.9186, 0.4322,
0.3600

■ 9.1033, 0.5449,
0.3668

■ 16.1540, 0.4002,
0.3541

■ 8.0715, 0.5792,
0.3624

■ 18.7296, 0.3726,
0.3477

■ 7.3059, 0.6071,
0.3562

■ 21.6593, 0.3492,
0.3412

■ 24.9557, 0.3296,
0.3350

■ 28.6313, 0.3131,
0.3292

■ 32.6975, 0.2994,
0.3238

■ 37.1656, 0.2879,
0.3188

■ 42.0462, 0.2781,
0.3143

Harmonies

Analogous

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



12.0084, 0.4353, 0.3080



12.0084, 0.4681, 0.3647



12.0084, 0.4519, 0.4213

Triad

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



12.0084, 0.4681, 0.3647



12.0084, 0.2532, 0.4180



12.0084, 0.2213, 0.2105

Complementary

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



12.0084, 0.4681, 0.3647



17.6333, 0.2310, 0.2856

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.



12.0084, 0.1859, 0.2218



12.0084, 0.4681, 0.3647



12.0084, 0.2010, 0.3340

Square

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



12.0084, 0.4681, 0.3647



12.0084, 0.3254, 0.4700



12.0084, 0.1787, 0.2625



12.0084, 0.2837, 0.2242

Rectangle

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



12.0084, 0.4681, 0.3647



12.0084, 0.4191, 0.4532



12.0084, 0.1787, 0.2625



12.0084, 0.2064, 0.2113

Sweetspot

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



12.0090, 0.4681, 0.3647



39.2789, 0.3452, 0.3400



10.6271, 0.3530, 0.2194



8.4147, 0.3507, 0.3417



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.



12.0090, 0.4681, 0.3647



17.5798, 0.5189, 0.3675



20.4646, 0.4177, 0.4352



6.0271, 0.3277, 0.3344



6.4598, 0.6062, 0.3569



0.1187, 0.5358, 0.4127

Inverse Universe

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



17.6333, 0.2310, 0.2856



28.2711, 0.2187, 0.2743



8.9260, 0.2098, 0.1890



6.3298, 0.2990, 0.3236



11.8890, 0.2033, 0.2519



0.1909, 0.2145, 0.2921

Previews

White Background



This preview shows how the Yxy color 12.0084, 0.4681, 0.3647 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 12.0084, 0.4681, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

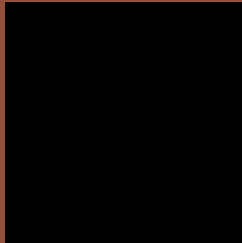
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0084, 0.4681, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 12.0084, 0.4681, 0.3647.



This preview shows how white text looks on a background with the Yxy color 12.0084, 0.4681, 0.3647.

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

12.0084, 0.4681, 0.3647

Protanopia

12.1812, 0.3730, 0.4033

Deuteranopia

12.0265, 0.4135, 0.4073



Tritanopia

11.9660, 0.4315, 0.3207

Trichromacy



Original Color

12.0084, 0.4681, 0.3647

Protanomaly

11.8949, 0.4086, 0.3889

Deuteranomaly

11.9321, 0.4342, 0.3908

Tritanomaly

11.9918, 0.4456, 0.3363

Monochromacy



Original Color

12.0084, 0.4681, 0.3647

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5817, 0.3653, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0084, 0.4681, 0.3647 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, 79, 58)` looks like.

```
.text, #text, p{  
  color:rgb(146, 79, 58)  
}
```

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, 79, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 79, 58) }
```

Border

The CSS property to change the border of an element to Yxy 12.0084, 0.4681, 0.3647 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, 79, 58) }
```

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

```
.border{ border-color:rgb(146, 79, 58) }
```

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

Here you see how a box with a 4 pixel rgb(146, 79, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 79, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 79, 58);  
box-shadow:4px 4px 4px 4px rgb(146, 79,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0084, 0.4681, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 79, 58) }
```

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

```
.background{ background-color: rgb(146, 79,  
58) }
```

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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