

Converting Colors

$Y_{xy}(11.8584, 0.4700, 0.4191)$

Have a look what the booklet for
Yxy(11.8584, 0.4700, 0.4191)
contains.

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Color

Yxy(11.9184, 0.4708, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	855722
RGB	133, 87, 34
RGB Percent	52%, 34%, 13%
CMY	0.4784, 0.6588, 0.8666
CMYK	0.00, 0.35, 0.74, 0.48
HSL	32°, 59%, 33%
HSV	32°, 74%, 52%
XYZ	13.3695, 11.9184, 3.1095
YIQ	94.7120, 44.4290, -6.7310

Conversions

Conversions Part 2

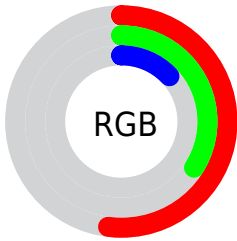
Format	Color
RYB	120, 133, 34
Decimal	8738594
CIELab	41.09, 13.97, 37.29
CIELCh	41, 39.823, 69.460
Yxy	11.9184, 0.4708, 0.4197
Android (android.graphics.Color)	4286928674 (0xFF855722)
YUV	94.7120, -29.9310, 33.5786
Hunter-Lab	34.5230, 8.7112, 18.8258

Details

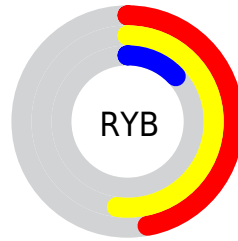
The Yxy color **11.9184, 0.4708, 0.4197** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.7705, 0.2000, 0.2002**, and the grayscale version is **11.4366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4477, 0.4334, 0.4026**, and **3.2481, 0.5230, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **10.8984, 0.4943, 0.4231**, and if you desaturate by 10%, it is **13.0551, 0.4459, 0.4122**.

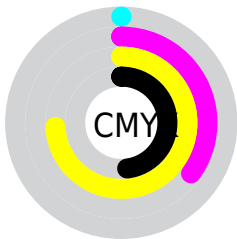
Distribution



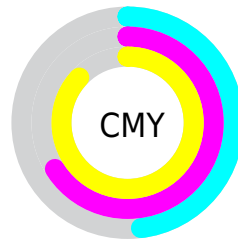
- Red (52%)
- Green (34%)
- Blue (13%)



- Red (47%)
- Yellow (52%)
- Blue (13%)



- Cyan (0%)
- Magenta (35%)
- Yellow (74%)
- Black (48%)





- Cyan (48%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9184, 0.4708, 0.4197 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 11.9184, 0.4708, 0.4197 by changing the saturation by 10% instead.


 11.9184, 0.4708,
0.4197


 11.9184, 0.4708,
0.4197


203.8643, 0.3772,
0.3717


 6.6881, 0.4975,
0.4287


 29.3464, 0.4335,
0.4031


 3.2678, 0.5500,
0.4500

 42.3129, 0.4204,
0.3964

 1.2731, 0.5716,
0.4284

 58.6270, 0.4097,
0.3906

 0.1202, 0.7911,
0.2089

 78.6730, 0.4009,
0.3857

 0.0000, 0.0000,
0.0000

 102.8354, 0.3935,
0.3814

 131.4984, 0.3872,

0.3778

165.0466, 0.3818,
0.3745

11.9184, 0.4708,
0.4197

11.9184, 0.4708,
0.4197

10.8984, 0.4943,
0.4231

13.0551, 0.4459,
0.4122

9.9869, 0.5152,
0.4216

14.3116, 0.4208,
0.4015

9.5190, 0.5267,
0.4200

15.6934, 0.3968,
0.3889

17.2047, 0.3744,
0.3753

18.8496, 0.3540,
0.3614

■ 20.6320, 0.3356,
0.3477

■ 22.5555, 0.3193,
0.3346

■ 24.6236, 0.3049,
0.3222

■ 26.8396, 0.2923,
0.3107

Harmonies

Analogous

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



11.9184, 0.4834, 0.3572



11.9184, 0.4708, 0.4197



11.9184, 0.4149, 0.4733

Triad

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



11.9184, 0.4708, 0.4197



11.9184, 0.1955, 0.3466



11.9184, 0.2692, 0.2111

Complementary

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



11.9184, 0.4708, 0.4197



7.7705, 0.2000, 0.2002

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.



11.9184, 0.2052, 0.1996



11.9184, 0.4708, 0.4197



11.9184, 0.1676, 0.2631

Square

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



11.9184, 0.4708, 0.4197



11.9184, 0.2559, 0.4409



11.9184, 0.1714, 0.2150



11.9184, 0.3564, 0.2455

Rectangle

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



11.9184, 0.4708, 0.4197



11.9184, 0.3638, 0.4909



11.9184, 0.1714, 0.2150



11.9184, 0.2446, 0.2046

Sweetspot

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



11.9190, 0.4708, 0.4197



34.3547, 0.3503, 0.3587



6.7128, 0.4379, 0.2512



7.5840, 0.3546, 0.3618



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



11.9190, 0.4708, 0.4197



18.4209, 0.5084, 0.4226



21.6116, 0.4036, 0.4890



5.0709, 0.3267, 0.3406



9.0837, 0.5264, 0.4202



0.0461, 0.4708, 0.4643

Inverse Universe

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



7.7705, 0.2000, 0.2002



10.6156, 0.1826, 0.1675



3.2367, 0.1781, 0.1033



4.8747, 0.2992, 0.3171



4.8892, 0.1753, 0.1512



0.0313, 0.1973, 0.2302

Previews

White Background



This preview shows how the Yxy color 11.9184, 0.4708, 0.4197 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 11.9184, 0.4708, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

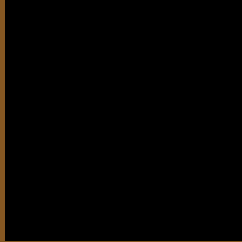
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9184, 0.4708, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 11.9184, 0.4708, 0.4197.



This preview shows how white text looks on a background with the Yxy color 11.9184, 0.4708, 0.4197.

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

11.9184, 0.4708, 0.4197

Protanopia

12.1201, 0.4133, 0.4550

Deuteranopia

11.8962, 0.4481, 0.4400



Tritanopia

11.9734, 0.3965, 0.3179

Trichromacy



Original Color

11.9184, 0.4708, 0.4197

Protanomaly

11.9843, 0.4345, 0.4416

Deuteranomaly

11.8578, 0.4565, 0.4318

Tritanomaly

11.9089, 0.4287, 0.3594

Monochromacy



Original Color

11.9184, 0.4708, 0.4197

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.3865, 0.3701, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9184, 0.4708, 0.4197 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(133, 87, 34)` looks like.

```
.text, #text, p{  
  color:rgb(133, 87, 34)  
}
```

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(133, 87, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 87, 34) }
```

Border

The CSS property to change the border of an element to Yxy 11.9184, 0.4708, 0.4197 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(133, 87, 34) }
```

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

```
.border{ border-color:rgb(133, 87, 34) }
```

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

Here you see how a box with a 4 pixel rgb(133, 87, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 87, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 87, 34);  
box-shadow:4px 4px 4px 4px rgb(133, 87,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9184, 0.4708, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 87, 34) }
```

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

```
.background{ background-color: rgb(133, 87,  
34) }
```

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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