

Converting Colors

$Y_{xy}(12.2747, 0.4721, 0.4118)$

Have a look what the booklet for
Yxy(12.2747, 0.4721, 0.4118)
contains.

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Color

Yxy(12.2747, 0.4721, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	895726
RGB	137, 87, 38
RGB Percent	54%, 34%, 15%
CMY	0.4628, 0.6588, 0.8510
CMYK	0.00, 0.36, 0.72, 0.46
HSL	30°, 57%, 34%
HSV	30°, 72%, 54%
XYZ	14.0721, 12.2747, 3.4606
YIQ	96.3640, 45.5290, -4.6390

Conversions

Conversions Part 2

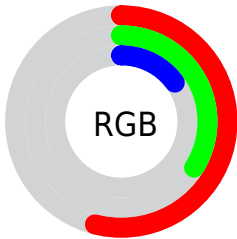
Format	Color
R_{YB}	137, 135, 38
Decimal	9000742
CIE Lab	41.65, 16.02, 36.04
CIE LCh	42, 39.444, 66.034
Yxy	12.2747, 0.4721, 0.4118
Android (android.graphics.Color)	4287190822 (0xFF895726)
YUV	96.3640, -28.7735, 35.6378
Hunter-Lab	35.0353, 10.3837, 18.6683

Details

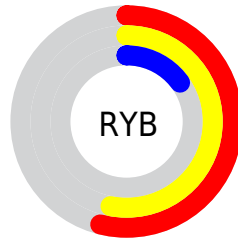
The Yxy color **12.2747, 0.4721, 0.4118** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.1903, 0.2048, 0.2139**, and the grayscale version is **11.8538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0165, 0.4348, 0.3975**, and **3.4249, 0.5307, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **11.1359, 0.4981, 0.4152**, and if you desaturate by 10%, it is **13.5546, 0.4452, 0.4044**.

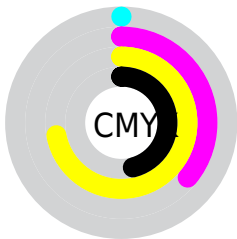
Distribution



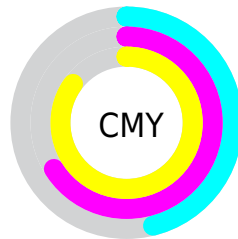
- Red (54%)
- Green (34%)
- Blue (15%)



- Red (54%)
- Yellow (53%)
- Blue (15%)



- Cyan (0%)
- Magenta (36%)
- Yellow (72%)
- Black (46%)



- Cyan (46%)
- Magenta (66%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2747, 0.4721, 0.4118 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 12.2747, 0.4721, 0.4118 by changing the saturation by 10% instead.


 12.2747, 0.4721,
0.4118


 12.2747, 0.4721,
0.4118


206.2155, 0.3775,
0.3686


 6.9310, 0.4996,
0.4196


 29.9944, 0.4342,
0.3971


 3.4190, 0.5513,
0.4373

 43.1393, 0.4210,
0.3910


 1.3542, 0.5812,
0.4188

 59.6534, 0.4102,
0.3858

 0.1826, 0.7556,
0.2444

 79.9210, 0.4013,
0.3814

 0.0000, 0.0000,
0.0000

 104.3267, 0.3939,
0.3775

 133.2547, 0.3876,

0.3742

167.0895, 0.3822,
0.3712

12.2747, 0.4721,
0.4118

12.2747, 0.4721,
0.4118

11.1359, 0.4981,
0.4152

13.5546, 0.4452,
0.4044

10.1295, 0.5214,
0.4137

14.9798, 0.4188,
0.3941

9.4312, 0.5385,
0.4106

16.5565, 0.3938,
0.3821

18.2900, 0.3709,
0.3693

20.1851, 0.3504,
0.3563

■ 22.2464, 0.3321,
0.3437

■ 24.4785, 0.3161,
0.3316

■ 26.8856, 0.3020,
0.3203

■ 29.4717, 0.2897,
0.3099

Harmonies

Analogous

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



12.2747, 0.4781, 0.3501



12.2747, 0.4721, 0.4118



12.2747, 0.4213, 0.4662

Triad

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



12.2747, 0.4721, 0.4118



12.2747, 0.2028, 0.3573



12.2747, 0.2615, 0.2104

Complementary

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



12.2747, 0.4721, 0.4118



9.1903, 0.2048, 0.2139

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.



12.2747, 0.2017, 0.2019



12.2747, 0.4721, 0.4118



12.2747, 0.1714, 0.2723

Square

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



12.2747, 0.4721, 0.4118



12.2747, 0.2656, 0.4471



12.2747, 0.1717, 0.2206



12.2747, 0.3454, 0.2420

Rectangle

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



12.2747, 0.4721, 0.4118



12.2747, 0.3724, 0.4865



12.2747, 0.1717, 0.2206



12.2747, 0.2383, 0.2049

Sweetspot

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



12.2753, 0.4721, 0.4118



36.0806, 0.3508, 0.3566



7.4261, 0.4204, 0.2436



7.9133, 0.3553, 0.3595



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.2753, 0.4721, 0.4118



18.7227, 0.5140, 0.4148



22.8768, 0.4080, 0.4818



5.4309, 0.3269, 0.3399



8.8117, 0.5381, 0.4109



0.0877, 0.4775, 0.4591

Inverse Universe

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



9.1903, 0.2048, 0.2139



12.8421, 0.1875, 0.1830



3.7112, 0.1791, 0.1097



5.2822, 0.2991, 0.3179



5.6887, 0.1789, 0.1639



0.0671, 0.2000, 0.2400

Previews

White Background



This preview shows how the Yxy color 12.2747, 0.4721, 0.4118 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 12.2747, 0.4721, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

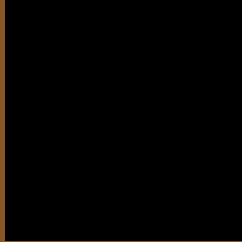
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2747, 0.4721, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 12.2747, 0.4721, 0.4118.



This preview shows how white text looks on a background with the Yxy color 12.2747, 0.4721, 0.4118.

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

12.2747, 0.4721, 0.4118

Protanopia

12.3988, 0.4093, 0.4494

Deuteranopia

12.3437, 0.4425, 0.4373



Tritanopia

12.3146, 0.4030, 0.3182

Trichromacy



Original Color

12.2747, 0.4721, 0.4118

Protanomaly

12.3307, 0.4319, 0.4358

Deuteranomaly

12.2049, 0.4537, 0.4267

Tritanomaly

12.2718, 0.4317, 0.3550

Monochromacy



Original Color

12.2747, 0.4721, 0.4118

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7162, 0.3697, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2747, 0.4721, 0.4118 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(137, 87, 38)` looks like.

```
.text, #text, p{  
    color:rgb(137, 87, 38)  
}
```

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(137, 87, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 87, 38) }
```

Border

The CSS property to change the border of an element to Yxy 12.2747, 0.4721, 0.4118 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(137, 87, 38) }
```

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

```
.border{ border-color:rgb(137, 87, 38) }
```

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

Here you see how a box with a 4 pixel rgb(137, 87, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 87, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 87, 38);  
box-shadow:4px 4px 4px 4px rgb(137, 87,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2747, 0.4721, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 87, 38) }
```

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

```
.background{ background-color: rgb(137, 87,  
38) }
```

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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