

Converting Colors

$Y_{xy}(12.4964, 0.4645, 0.4117)$

Have a look what the booklet for
Yxy(12.4964, 0.4645, 0.4117)
contains.

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Color

Yxy(12.5391, 0.4641, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	885929
RGB	136, 89, 41
RGB Percent	53%, 35%, 16%
CMY	0.4666, 0.6510, 0.8392
CMYK	0.00, 0.35, 0.70, 0.47
HSL	30°, 54%, 35%
HSV	30°, 70%, 53%
XYZ	14.1282, 12.5391, 3.7748
YIQ	97.5810, 43.4200, -4.9640

Conversions

Conversions Part 2

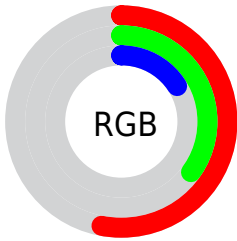
Format	Color
R_{YB}	134, 136, 41
Decimal	8935721
CIE _{Lab}	42.06, 14.60, 34.89
CIE _{LCh}	42, 37.822, 67.291
Yxy	12.5391, 0.4641, 0.4119
Android (android.graphics.Color)	4287125801 (0xFF885929)
YUV	97.5810, -27.8944, 33.6935
Hunter-Lab	35.4106, 9.2497, 18.4670

Details

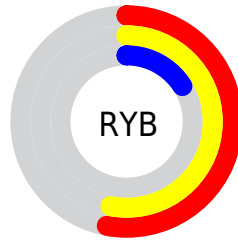
The Yxy color **12.5391, 0.4641, 0.4119** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.2354, 0.2073, 0.2163**, and the grayscale version is **12.1678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5073, 0.4291, 0.3968**, and **3.5216, 0.5223, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **11.3910, 0.4899, 0.4166**, and if you desaturate by 10%, it is **13.8238, 0.4376, 0.4035**.

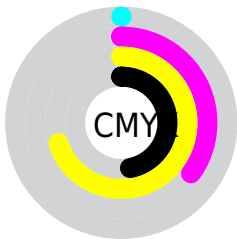
Distribution



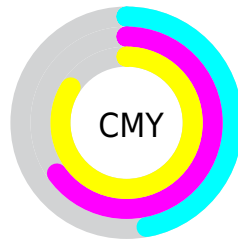
- Red (53%)
- Green (35%)
- Blue (16%)



- Red (53%)
- Yellow (53%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (47%)





- Cyan (47%)
- Magenta (65%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5391, 0.4641, 0.4119 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 12.5391, 0.4641, 0.4119 by changing the saturation by 10% instead.


 12.5391, 0.4641,
0.4119


 12.5391, 0.4641,
0.4119


207.9423, 0.3743,
0.3679


 7.1119, 0.4905,
0.4207


 30.4732, 0.4281,
0.3965


 3.5322, 0.5361,
0.4367

 43.7490, 0.4155,
0.3903


 1.4155, 0.5723,
0.4277

 60.4098, 0.4053,
0.3851

 0.2281, 0.7154,
0.2846

 80.8399, 0.3969,
0.3806

 0.0000, 0.0000,
0.0000

 105.4239, 0.3898,
0.3768

 134.5460, 0.3839,

0.3734

168.5907, 0.3787,
0.3705

12.5391, 0.4641,
0.4119

12.5391, 0.4641,
0.4119

11.3910, 0.4899,
0.4166

13.8238, 0.4376,
0.4035

10.3712, 0.5136,
0.4166

15.2490, 0.4119,
0.3925

9.4675, 0.5353,
0.4129

16.8203, 0.3876,
0.3799

9.4543, 0.5357,
0.4129

18.5428, 0.3655,
0.3668

20.4210, 0.3456,
0.3537

■ 22.4594, 0.3280,
0.3409

■ 24.6620, 0.3125,
0.3288

■ 27.0329, 0.2989,
0.3175

■ 29.5760, 0.2870,
0.3070

Harmonies

Analogous

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



12.5391, 0.4713, 0.3527



12.5391, 0.4641, 0.4119



12.5391, 0.4146, 0.4623

Triad

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



12.5391, 0.4641, 0.4119



12.5391, 0.2058, 0.3525



12.5391, 0.2669, 0.2159

Complementary

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



12.5391, 0.4641, 0.4119



9.2354, 0.2073, 0.2163

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.



12.5391, 0.2081, 0.2068



12.5391, 0.4641, 0.4119



12.5391, 0.1764, 0.2726

Square

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



12.5391, 0.4641, 0.4119



12.5391, 0.2652, 0.4378



12.5391, 0.1778, 0.2240



12.5391, 0.3477, 0.2473

Rectangle

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



12.5391, 0.4641, 0.4119



12.5391, 0.3674, 0.4795



12.5391, 0.1778, 0.2240



12.5391, 0.2443, 0.2102

Sweetspot

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



12.5397, 0.4641, 0.4119



35.4268, 0.3487, 0.3557



7.5358, 0.4189, 0.2479



8.0189, 0.3533, 0.3589



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.



12.5397, 0.4641, 0.4119



18.9688, 0.5045, 0.4172



23.0087, 0.4043, 0.4804



5.4387, 0.3269, 0.3401



8.9646, 0.5353, 0.4132



0.0888, 0.4758, 0.4604

Inverse Universe

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



9.2354, 0.2073, 0.2163



12.7486, 0.1896, 0.1859



3.8368, 0.1826, 0.1138



5.2744, 0.2991, 0.3177



5.5359, 0.1780, 0.1606



0.0660, 0.1994, 0.2377

Previews

White Background



This preview shows how the Yxy color 12.5391, 0.4641, 0.4119 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 12.5391, 0.4641, 0.4119 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 12.5391, 0.4641, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 12.5391, 0.4641, 0.4119.



This preview shows how white text looks on a background with the Yxy color 12.5391, 0.4641, 0.4119.

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

12.5391, 0.4641, 0.4119

Protanopia

12.6757, 0.4064, 0.4453

Deuteranopia

12.6160, 0.4393, 0.4340



Tritanopia

12.5678, 0.3965, 0.3181

Trichromacy



Original Color

12.5391, 0.4641, 0.4119

Protanomaly

12.5332, 0.4271, 0.4329

Deuteranomaly

12.5711, 0.4473, 0.4260

Tritanomaly

12.5267, 0.4248, 0.3552

Monochromacy



Original Color

12.5391, 0.4641, 0.4119

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1650, 0.3670, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5391, 0.4641, 0.4119 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(136, 89, 41)` looks like.

```
.text, #text, p{  
    color:rgb(136, 89, 41)  
}
```

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(136, 89, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 89, 41) }
```

Border

The CSS property to change the border of an element to Yxy 12.5391, 0.4641, 0.4119 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(136, 89, 41) }
```

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

```
.border{ border-color:rgb(136, 89, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 89, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 89, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 89, 41);  
box-shadow:4px 4px 4px 4px rgb(136, 89,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5391, 0.4641, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 89, 41) }
```

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

```
.background{ background-color: rgb(136, 89,  
41) }
```

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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