

Converting Colors

$Y_{xy}(12.0231, 0.4626, 0.4247)$

Have a look what the booklet for
Yxy(12.0231, 0.4626, 0.4247)
contains.

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Color

Yxy(12.0119, 0.4620, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	825923
RGB	130, 89, 35
RGB Percent	51%, 35%, 14%
CMY	0.4903, 0.6509, 0.8628
CMYK	0.00, 0.32, 0.73, 0.49
HSL	34°, 58%, 32%
HSV	34°, 73%, 51%
XYZ	13.0792, 12.0119, 3.2188
YIQ	95.1030, 41.7700, -8.1020

Conversions

Conversions Part 2

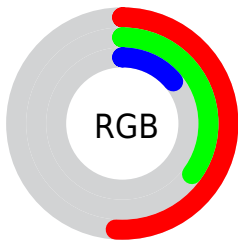
Format	Color
R_{YB}	107, 130, 35
Decimal	8542499
CIE Lab	41.24, 11.43, 36.84
CIE LCh	41, 38.574, 72.756
Yxy	12.0119, 0.4620, 0.4243
Android (android.graphics.Color)	4286732579 (0xFF825923)
YUV	95.1030, -29.6308, 30.6047
Hunter-Lab	34.6582, 6.7099, 18.7542

Details

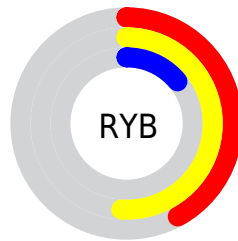
The Yxy color **12.0119, 0.4620, 0.4243** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.1318, 0.1999, 0.1952**, and the grayscale version is **11.5347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5289, 0.4263, 0.4055**, and **3.3055, 0.5123, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **11.0512, 0.4842, 0.4290**, and if you desaturate by 10%, it is **13.0735, 0.4385, 0.4156**.

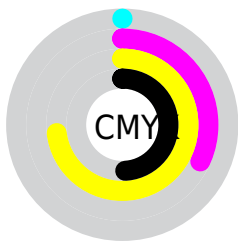
Distribution



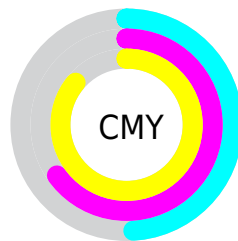
- Red (51%)
- Green (35%)
- Blue (14%)



- Red (42%)
- Yellow (51%)
- Blue (14%)



- Cyan (0%)
- Magenta (32%)
- Yellow (73%)
- Black (49%)





- Cyan (49%)
- Magenta (65%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0119, 0.4620, 0.4243 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 12.0119, 0.4620, 0.4243 by changing the saturation by 10% instead.


 12.0119, 0.4620,
0.4243


 12.0119, 0.4620,
0.4243


204.4841, 0.3737,
0.3727


 6.7518, 0.4872,
0.4350


 29.5168, 0.4269,
0.4059


 3.3074, 0.5388,
0.4612

 42.5303, 0.4145,
0.3986

 1.2942, 0.5568,
0.4432

 58.8971, 0.4045,
0.3925

 0.1367, 0.7495,
0.2505

 79.0016, 0.3961,
0.3873

 0.0000, 0.0000,
0.0000

 103.2282, 0.3892,
0.3829

 131.9611, 0.3833,

0.3790

165.5850, 0.3782,
0.3757

12.0119, 0.4620,
0.4243

12.0119, 0.4620,
0.4243

11.0512, 0.4842,
0.4290

13.0735, 0.4385,
0.4156

10.1846, 0.5039,
0.4290

14.2386, 0.4148,
0.4039

9.6311, 0.5171,
0.4276

15.5117, 0.3920,
0.3904

16.8965, 0.3705,
0.3759

18.3965, 0.3509,
0.3612

■ 20.0149, 0.3331,
0.3469

■ 21.7548, 0.3172,
0.3331

■ 23.6191, 0.3031,
0.3201

■ 25.6108, 0.2907,
0.3080

Harmonies

Analogous

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



12.0119, 0.4791, 0.3638



12.0119, 0.4620, 0.4243



12.0119, 0.4048, 0.4732

Triad

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



12.0119, 0.4620, 0.4243



12.0119, 0.1945, 0.3362



12.0119, 0.2792, 0.2170

Complementary

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



12.0119, 0.4620, 0.4243



7.1318, 0.1999, 0.1952

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.



12.0119, 0.2138, 0.2032



12.0119, 0.4620, 0.4243



12.0119, 0.1706, 0.2587

Square

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



12.0119, 0.4620, 0.4243



12.0119, 0.2503, 0.4278



12.0119, 0.1775, 0.2153



12.0119, 0.3648, 0.2528

Rectangle

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



12.0119, 0.4620, 0.4243



12.0119, 0.3542, 0.4858



12.0119, 0.1775, 0.2153



12.0119, 0.2544, 0.2098

Sweetspot

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



12.0125, 0.4620, 0.4243



32.5681, 0.3498, 0.3604



6.4699, 0.4426, 0.2576



7.2360, 0.3539, 0.3636



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.0125, 0.4620, 0.4243



18.3954, 0.4981, 0.4295



20.3396, 0.3984, 0.4898



4.7183, 0.3265, 0.3413



9.2516, 0.5169, 0.4278



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.1318, 0.1999, 0.1952



9.3408, 0.1811, 0.1601



3.2911, 0.1834, 0.1086



4.4930, 0.2993, 0.3164



4.2767, 0.1725, 0.1411



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.0119, 0.4620, 0.4243 looks on a white background.

Color Contrast Check

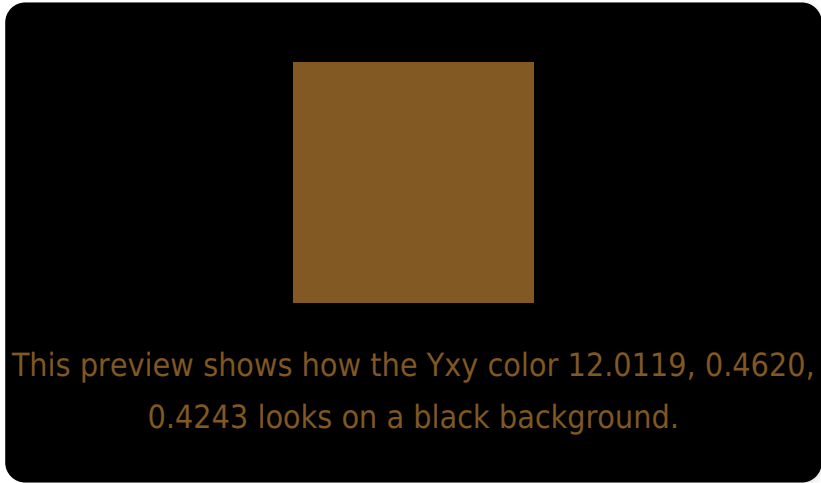
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.0119, 0.4620, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 12.0119, 0.4620, 0.4243.



This preview shows how white text looks on a background with the Yxy color 12.0119, 0.4620, 0.4243.

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

12.0119, 0.4620, 0.4243

Protanopia

12.1201, 0.4133, 0.4550

Deuteranopia

12.0818, 0.4445, 0.4391



Tritanopia

11.9112, 0.3873, 0.3157

Trichromacy



Original Color

12.0119, 0.4620, 0.4243

Protanomaly

12.0937, 0.4315, 0.4442

Deuteranomaly

12.1298, 0.4507, 0.4348

Tritanomaly

11.8447, 0.4195, 0.3582

Monochromacy



Original Color

12.0119, 0.4620, 0.4243

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4979, 0.3678, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0119, 0.4620, 0.4243 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(130, 89, 35)` looks like.

```
.text, #text, p{  
    color:rgb(130, 89, 35)  
}
```

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(130, 89, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 89, 35) }
```

Border

The CSS property to change the border of an element to Yxy 12.0119, 0.4620, 0.4243 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(130, 89, 35) }
```

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

```
.border{ border-color:rgb(130, 89, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 89, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 89, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 89, 35);  
box-shadow:4px 4px 4px 4px rgb(130, 89,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0119, 0.4620, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 89, 35) }
```

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

```
.background{ background-color: rgb(130, 89,  
35) }
```

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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