

Converting Colors

$Y_{xy}(12.2883, 0.5014, 0.4247)$

Have a look what the booklet for
Yxy(12.2883, 0.5014, 0.4247)
contains.

Yxy(12.2883, 0.5014, 0.4247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.2883, 0.5014, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	8E5511
RGB	142, 85, 17
RGB Percent	56%, 33%, 7%
CMY	0.4431, 0.6667, 0.9333
CMYK	0.00, 0.40, 0.88, 0.44
HSL	33°, 79%, 31%
HSV	33°, 88%, 56%
XYZ	14.5075, 12.2883, 2.1382
YIQ	94.2910, 55.8000, -9.0640

Conversions

Conversions Part 2

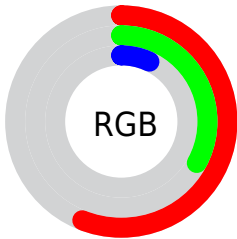
Format	Color
R_{YB}	122, 142, 17
Decimal	9327889
CIE _{Lab}	41.67, 18.63, 45.47
CIE _{LCh}	42, 49.142, 67.721
Yxy	12.2883, 0.5014, 0.4247
Android (android.graphics.Color)	4287517969 (0xFF8E5511)
YUV	94.2910, -38.1045, 41.8408
Hunter-Lab	35.0547, 12.5274, 20.9218

Details

The Yxy color **12.2883, 0.5014, 0.4247** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.9763, 0.1842, 0.1698**, and the grayscale version is **11.3490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0126, 0.4598, 0.4120**, and **3.4295, 0.5423, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **11.2808, 0.5211, 0.4219**, and if you desaturate by 10%, it is **13.4157, 0.4791, 0.4231**.

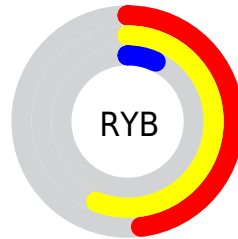
Distribution



Red (56%)

Green (33%)

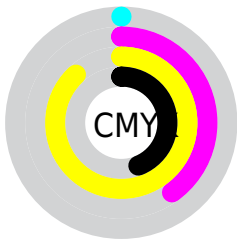
Blue (7%)



Red (48%)

Yellow (56%)

Blue (7%)

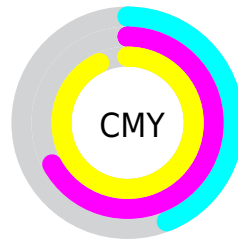


Cyan (0%)

Magenta (40%)

Yellow (88%)

Black (44%)



Cyan (44%)


Magenta (67%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2883, 0.5014, 0.4247 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 12.2883, 0.5014, 0.4247 by changing the saturation by 10% instead.


 12.2883, 0.5014,
0.4247


 12.2883, 0.5014,
0.4247


206.3047, 0.3926,
0.3788


 6.9403, 0.5304,
0.4301


 30.0191, 0.4598,
0.4112


 3.4248, 0.5683,
0.4317

 43.1707, 0.4445,
0.4048


 1.3573, 0.5950,
0.4050

 59.6924, 0.4319,
0.3991

 0.1850, 0.7732,
0.2268


 79.9685, 0.4214,
0.3940


 0.0000, 0.0000,
0.0000


 104.3833, 0.4125,
0.3895


 133.3214, 0.4049,


0.3855


 167.1670, 0.3983,
0.3820

 12.2883, 0.5014,
0.4247


 12.2883, 0.5014,
0.4247


 11.2808, 0.5211,
0.4219

 13.4157, 0.4791,
0.4231

 11.0924, 0.5251,
0.4212

 14.6714, 0.4548,
0.4169

 16.0622, 0.4299,
0.4072

 17.5936, 0.4055,
0.3949

 19.2707, 0.3824,
0.3813

■ 21.0983, 0.3612,
0.3671

■ 23.0809, 0.3421,
0.3530

■ 25.2227, 0.3250,
0.3394

■ 27.5279, 0.3099,
0.3265

Harmonies

Analogous

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



12.2883, 0.5176, 0.3522



12.2883, 0.5014, 0.4247



12.2883, 0.4337, 0.4947

Triad

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



12.2883, 0.5014, 0.4247



12.2883, 0.1756, 0.3553



12.2883, 0.2541, 0.1898

Complementary

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



12.2883, 0.5014, 0.4247



6.9763, 0.1842, 0.1698

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.



12.2883, 0.1827, 0.1777



12.2883, 0.5014, 0.4247



12.2883, 0.1435, 0.2515

Square

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



12.2883, 0.5014, 0.4247



12.2883, 0.2466, 0.4756



12.2883, 0.1469, 0.1952



12.2883, 0.3579, 0.2275

Rectangle

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



12.2883, 0.5014, 0.4247



12.2883, 0.3735, 0.5248



12.2883, 0.1469, 0.1952



12.2883, 0.2262, 0.1828

Sweetspot

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



12.2889, 0.5014, 0.4247



37.6930, 0.3583, 0.3650



6.6667, 0.4744, 0.2502



8.1934, 0.3644, 0.3693



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



12.2889, 0.5014, 0.4247



19.2250, 0.5278, 0.4191



24.7827, 0.4107, 0.5031



5.8794, 0.3269, 0.3410



9.9937, 0.5245, 0.4217



0.1397, 0.4695, 0.4654

Inverse Universe

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



6.9763, 0.1842, 0.1698



9.7471, 0.1732, 0.1436



2.5165, 0.1601, 0.0746



5.6349, 0.2990, 0.3167



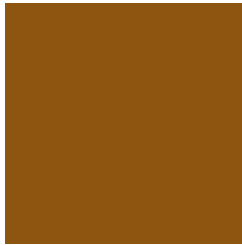
5.1614, 0.1744, 0.1479



0.0925, 0.1967, 0.2281

Previews

White Background



This preview shows how the Yxy color 12.2883, 0.5014, 0.4247 looks on a white background.

Color Contrast Check

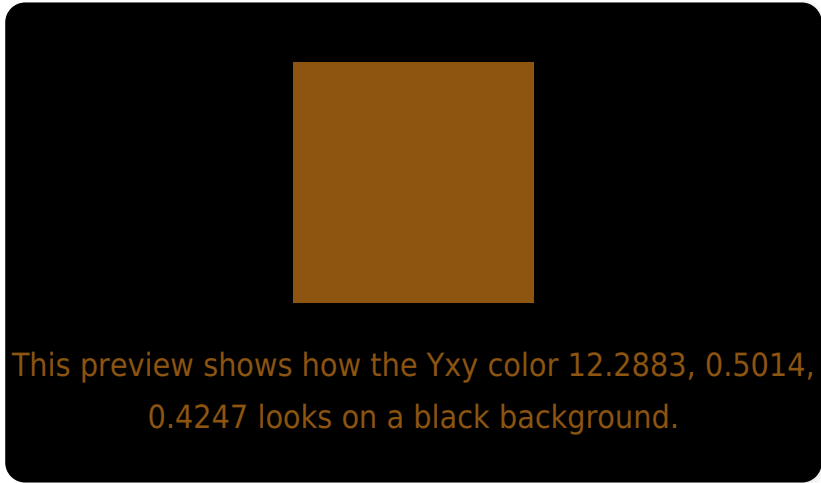
Large Text (above 18pt) WCAG AA ✓ Pass

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

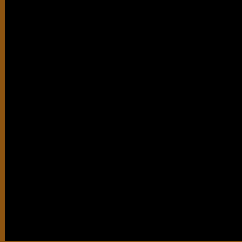
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2883, 0.5014, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 12.2883, 0.5014, 0.4247.



This preview shows how white text looks on a background with the Yxy color 12.2883, 0.5014, 0.4247.

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

12.2883, 0.5014, 0.4247

Protanopia

12.3573, 0.4287, 0.4750

Deuteranopia

12.3851, 0.4653, 0.4607



Tritanopia

12.2676, 0.4186, 0.3187

Trichromacy



Original Color

12.2883, 0.5014, 0.4247

Protanomaly

12.1935, 0.4548, 0.4563

Deuteranomaly

12.3340, 0.4782, 0.4479

Tritanomaly

12.1404, 0.4594, 0.3655

Monochromacy



Original Color

12.2883, 0.5014, 0.4247

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2550, 0.3854, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2883, 0.5014, 0.4247 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(142, 85, 17)` looks like.

```
.text, #text, p{  
    color:rgb(142, 85, 17)  
}
```

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(142, 85, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 85, 17) }
```

Border

The CSS property to change the border of an element to Yxy 12.2883, 0.5014, 0.4247 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(142, 85, 17) }
```

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

```
.border{ border-color:rgb(142, 85, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 85, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 85, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 85, 17);  
box-shadow:4px 4px 4px 4px rgb(142, 85,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2883, 0.5014, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 85, 17) }
```

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

```
.background{ background-color: rgb(142, 85,  
17) }
```

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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