

Converting Colors

$Y_{xy}(14.9283, 0.4387, 0.4223)$

Have a look what the booklet for
Yxy(14.9283, 0.4387, 0.4223)
contains.

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Color

$Y_{xy}(15.0345, 0.4393, 0.4234)$

Conversions

Conversions Part 1

Format	Color
Hex	896630
RGB	137, 102, 48
RGB Percent	54%, 40%, 19%
CMY	0.4628, 0.6000, 0.8118
CMYK	0.00, 0.26, 0.65, 0.46
HSL	36°, 48%, 36%
HSV	36°, 65%, 54%
XYZ	15.5991, 15.0345, 4.8754
YIQ	106.3090, 38.1940, -9.3740

Conversions

Conversions Part 2

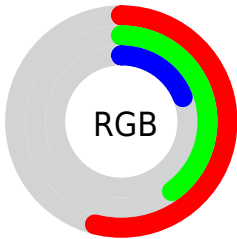
Format	Color
R_{YB}	106, 137, 48
Decimal	9004592
CIE Lab	45.68, 7.88, 35.33
CIE LCh	46, 36.196, 77.420
Yxy	15.0345, 0.4393, 0.4234
Android (android.graphics.Color)	4287194672 (0xFF896630)
YUV	106.3090, -28.7463, 26.9160
Hunter-Lab	38.7743, 3.9562, 19.6871

Details

The Yxy color **15.0345, 0.4393, 0.4234** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.6150, 0.2086, 0.2037**, and the grayscale version is **14.5750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9645, 0.4108, 0.4047**, and **4.6172, 0.4892, 0.4498** is the 20% darker color. If you saturate the color by 10%, you get **13.9150, 0.4611, 0.4321**, and if you desaturate by 10%, it is **16.2592, 0.4169, 0.4115**.

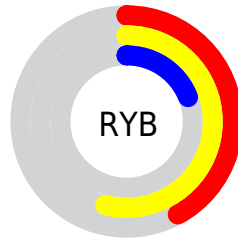
Distribution



Red (54%)

Green (40%)

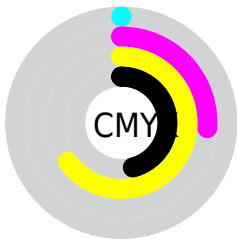
Blue (19%)



Red (42%)

Yellow (54%)

Blue (19%)

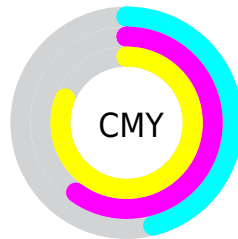


Cyan (0%)

Magenta (26%)

Yellow (65%)

Black (46%)



Cyan (46%)


Magenta (60%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0345, 0.4393, 0.4234 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 15.0345, 0.4393, 0.4234 by changing the saturation by 10% instead.


 15.0345, 0.4393,
0.4234


 15.0345, 0.4393,
0.4234

223.5749, 0.3663,
0.3718


 8.8436, 0.4598,
0.4359


 34.9137, 0.4106,
0.4043


 4.6393, 0.4879,
0.4513

 49.3708, 0.4005,
0.3971


 2.0372, 0.5294,
0.4706

 67.3520, 0.3921,
0.3911

 0.6290, 0.5568,
0.4432

 89.2419, 0.3852,
0.3860

 0.0000, 0.0000,
0.0000

 115.4247, 0.3794,
0.3817

 146.2849, 0.3744,

0.3779

182.2068, 0.3701,
0.3746

■ 15.0345, 0.4393,
0.4234

■ 15.0345, 0.4393,
0.4234

■ 13.9150, 0.4611,
0.4321

■ 16.2592, 0.4169,
0.4115

■ 12.8937, 0.4811,
0.4366

■ 17.5910, 0.3948,
0.3974

■ 11.9656, 0.4985,
0.4364

■ 19.0344, 0.3737,
0.3821

■ 11.5264, 0.5071,
0.4356

■ 20.5931, 0.3541,
0.3664

■ 22.2704, 0.3362,
0.3510

■ 24.0696, 0.3201,
0.3361

■ 25.9935, 0.3056,
0.3220

■ 28.0452, 0.2928,
0.3089

■ 30.2274, 0.2814,
0.2967

Harmonies

Analogous

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



15.0345, 0.4592, 0.3709



15.0345, 0.4393, 0.4234



15.0345, 0.3859, 0.4599

Triad

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



15.0345, 0.4393, 0.4234



15.0345, 0.2031, 0.3244



15.0345, 0.2948, 0.2329

Complementary

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



15.0345, 0.4393, 0.4234



8.6150, 0.2086, 0.2037

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.



15.0345, 0.2328, 0.2173



15.0345, 0.4393, 0.4234



15.0345, 0.1852, 0.2603

Square

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



15.0345, 0.4393, 0.4234



15.0345, 0.2495, 0.4026



15.0345, 0.1955, 0.2251



15.0345, 0.3704, 0.2680

Rectangle

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



15.0345, 0.4393, 0.4234



15.0345, 0.3401, 0.4637



15.0345, 0.1955, 0.2251



15.0345, 0.2718, 0.2253

Sweetspot

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



15.0352, 0.4393, 0.4234



38.5282, 0.3440, 0.3578



8.0640, 0.4290, 0.2671



8.4746, 0.3485, 0.3617



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.



15.0352, 0.4393, 0.4234



24.0342, 0.4709, 0.4348



22.6951, 0.3889, 0.4799



5.5205, 0.3267, 0.3423



10.7636, 0.5067, 0.4358



0.1001, 0.4602, 0.4728

Inverse Universe

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



8.6150, 0.2086, 0.2037



11.6737, 0.1887, 0.1703



4.7858, 0.2001, 0.1321



5.1937, 0.2991, 0.3154



4.1481, 0.1692, 0.1290



0.0547, 0.1920, 0.2113

Previews

White Background



This preview shows how the Yxy color 15.0345, 0.4393, 0.4234 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 15.0345, 0.4393, 0.4234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

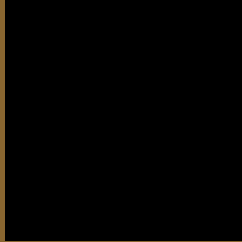
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0345, 0.4393, 0.4234

Background



This preview shows how black text looks on a background with the Yxy color 15.0345, 0.4393, 0.4234.



This preview shows how white text looks on a background with the Yxy color 15.0345, 0.4393, 0.4234.

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

15.0345, 0.4393, 0.4234

Protanopia

15.1606, 0.4036, 0.4437

Deuteranopia

14.9822, 0.4337, 0.4270



Tritanopia

15.0077, 0.3715, 0.3165

Trichromacy



Original Color

15.0345, 0.4393, 0.4234

Protanomaly

14.9654, 0.4171, 0.4361

Deuteranomaly

15.0648, 0.4351, 0.4264

Tritanomaly

14.9353, 0.4000, 0.3568

Monochromacy



Original Color

15.0345, 0.4393, 0.4234

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5409, 0.3576, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0345, 0.4393, 0.4234 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, 102, 48)` looks like.

```
.text, #text, p{  
    color:rgb(137, 102, 48)  
}
```

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, 102, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 102, 48) }
```

Border

The CSS property to change the border of an element to Yxy 15.0345, 0.4393, 0.4234 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, 102, 48) }
```

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

```
.border{ border-color:rgb(137, 102, 48) }
```

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

Here you see how a box with a 4 pixel rgb(137, 102, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 102, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 102, 48);  
box-shadow:4px 4px 4px 4px rgb(137, 102,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0345, 0.4393, 0.4234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 102, 48) }
```

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

```
.background{ background-color: rgb(137,  
102, 48) }
```

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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