

Converting Colors

$Y_{xy}(12.0186, 0.4244, 0.4751)$

Have a look what the booklet for
Yxy(12.0186, 0.4244, 0.4751)
contains.

Yxy(11.9854, 0.4240, 0.4746)	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(11.9854, 0.4240, 0.4746)

Conversions

Conversions Part 1

Format	Color
Hex	6C6217
RGB	108, 98, 23
RGB Percent	42%, 38%, 9%
CMY	0.5764, 0.6157, 0.9097
CMYK	0.00, 0.09, 0.79, 0.58
HSL	53°, 65%, 26%
HSV	53°, 79%, 42%
XYZ	10.7076, 11.9854, 2.5607
YIQ	92.4400, 30.0350, -21.2050

Conversions

Conversions Part 2

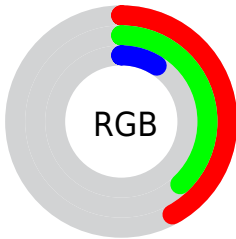
Format	Color
R_{YB}	34, 108, 23
Decimal	7102999
CIE _{Lab}	41.19, -5.04, 41.31
CIE _{LCh}	41, 41.613, 96.953
Y _{xy}	11.9854, 0.4240, 0.4746
Android (android.graphics.Color)	4285293079 (0xFF6C6217)
YUV	92.4400, -34.2339, 13.6461
Hunter-Lab	34.6199, -5.3768, 19.8485

Details

The Yxy color **11.9854, 0.4240, 0.4746** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.3547, 0.1766, 0.1153**, and the grayscale version is **10.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3422, 0.4008, 0.4406**, and **3.3258, 0.4332, 0.4942** is the 20% darker color. If you saturate the color by 10%, you get **11.7150, 0.4326, 0.4825**, and if you desaturate by 10%, it is **12.2784, 0.4131, 0.4628**.

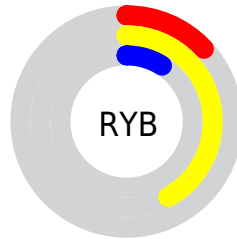
Distribution



 Red (42%)

 Green (38%)

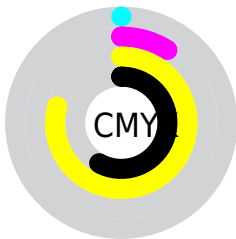
 Blue (9%)



 Red (13%)

 Yellow (42%)

 Blue (9%)

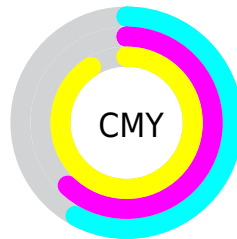



 Cyan (0%)

 Magenta (9%)

 Yellow (79%)

 Black (58%)



 Cyan (58%)

 Magenta (62%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9854, 0.4240, 0.4746 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 11.9854, 0.4240, 0.4746 by changing the saturation by 10% instead.

11.9854, 0.4240,
0.4746

11.9854, 0.4240,
0.4746

204.3086, 0.3615,
0.3896

6.7337, 0.4384,
0.4972

29.4685, 0.4008,
0.4415

3.2961, 0.4634,
0.5366

42.4688, 0.3921,
0.4295

1.2882, 0.4545,
0.5455

58.8206, 0.3847,
0.4197

0.1321, 0.0189,
0.9811

78.9086, 0.3786,
0.4116

0.0000, 0.0000,
0.0000

103.1169, 0.3733,
0.4048

131.8301, 0.3688,

0.3989

165.4326, 0.3649,
0.3939

11.9854, 0.4240,
0.4746

11.9854, 0.4240,
0.4746

11.7150, 0.4326,
0.4825

12.2784, 0.4131,
0.4628

11.4586, 0.4395,
0.4877

12.5942, 0.4002,
0.4476

11.4252, 0.4405,
0.4884

12.9351, 0.3859,
0.4297

13.3025, 0.3707,
0.4098

13.6979, 0.3553,
0.3889

■ 14.1226, 0.3399,
0.3677

■ 14.5776, 0.3250,
0.3467

■ 15.0640, 0.3109,
0.3264

■ 15.5831, 0.2977,
0.3071

Harmonies

Analogous

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



11.9854, 0.4797, 0.4165



11.9854, 0.4240, 0.4746



11.9854, 0.3436, 0.4984

Triad

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



11.9854, 0.4240, 0.4746



11.9854, 0.1636, 0.2659



11.9854, 0.3500, 0.2388

Complementary

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



11.9854, 0.4240, 0.4746



2.3547, 0.1766, 0.1153

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.



11.9854, 0.2606, 0.2052



11.9854, 0.4240, 0.4746



11.9854, 0.1652, 0.2133

Square

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



11.9854, 0.4240, 0.4746



11.9854, 0.1949, 0.3555



11.9854, 0.1972, 0.1953



11.9854, 0.4394, 0.2904

Rectangle

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



11.9854, 0.4240, 0.4746



11.9854, 0.2866, 0.4766



11.9854, 0.1972, 0.1953



11.9854, 0.3184, 0.2252

Sweetspot

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



11.9860, 0.4240, 0.4746



24.3392, 0.3490, 0.3804



3.9199, 0.5366, 0.3100



5.8426, 0.3532, 0.3862



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.9860, 0.4240, 0.4746



20.2135, 0.4376, 0.4859



12.3601, 0.3619, 0.5221



3.5258, 0.3254, 0.3472



13.6005, 0.4407, 0.4883



68.4748, 0.4421, 0.4872

Inverse Universe

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



2.3547, 0.1766, 0.1153



2.6059, 0.1574, 0.0791



2.4859, 0.2118, 0.1158



3.0773, 0.2997, 0.3101



1.6005, 0.1535, 0.0726



7.4506, 0.1520, 0.0671

Previews

White Background



This preview shows how the Yxy color 11.9854, 0.4240, 0.4746 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 11.9854, 0.4240, 0.4746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

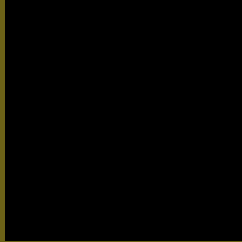
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9854, 0.4240, 0.4746

Background



This preview shows how black text looks on a background with the Yxy color 11.9854, 0.4240, 0.4746.



This preview shows how white text looks on a background with the Yxy color 11.9854, 0.4240, 0.4746.

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

11.9854, 0.4240, 0.4746

Protanopia

12.0484, 0.4256, 0.4735

Deuteranopia

11.8664, 0.4537, 0.4471



Tritanopia

11.9414, 0.3390, 0.3142

Trichromacy



Original Color

11.9854, 0.4240, 0.4746

Protanomaly

12.0484, 0.4256, 0.4735

Deuteranomaly

11.8575, 0.4433, 0.4565

Tritanomaly

11.9051, 0.3769, 0.3796

Monochromacy



Original Color

11.9854, 0.4240, 0.4746

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.0073, 0.3595, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9854, 0.4240, 0.4746 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(108, 98, 23)` looks like.

```
.text, #text, p{  
    color:rgb(108, 98, 23)  
}
```

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(108, 98, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 98, 23) }
```

Border

The CSS property to change the border of an element to Yxy 11.9854, 0.4240, 0.4746 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(108, 98, 23) }
```

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

```
.border{ border-color:rgb(108, 98, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 98, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 98, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 98, 23);  
box-shadow:4px 4px 4px 4px rgb(108, 98,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9854, 0.4240, 0.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 98, 23) }
```

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

```
.background{ background-color: rgb(108, 98,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor