

Converting Colors

$Y_{xy}(12.0655, 0.4278, 0.5428)$

Have a look what the booklet for
Yxy(12.0655, 0.4278, 0.5428)
contains.

Yxy(12.2419, 0.4097, 0.5129)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2419, 0.4097, 0.5129)

Conversions

Conversions Part 1

Format	Color
Hex	616700
RGB	97, 103, 0
RGB Percent	38%, 40%, 0%
CMY	0.6197, 0.5960, 1.0000
CMYK	0.06, 0.00, 1.00, 0.60
HSL	64°, 100%, 20%
HSV	64°, 100%, 40%
XYZ	9.7787, 12.2419, 1.8474
YIQ	89.4640, 29.4870, -33.3050

Conversions

Conversions Part 2

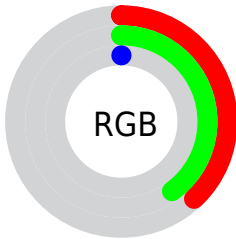
Format	Color
RYB	0, 103, 6
Decimal	6383360
CIELab	41.60, -13.98, 47.91
CIELCh	42, 49.912, 106.264
Yxy	12.2419, 0.4097, 0.5129
Android (android.graphics.Color)	4284573440 (0xFF616700)
YUV	89.4640, -44.1058, 6.6091
Hunter-Lab	34.9884, -11.3418, 21.3614

Details

The Yxy color **12.2419, 0.4097, 0.5129** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0183, 0.1535, 0.0619**, and the grayscale version is **10.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0063, 0.3940, 0.4709**, and **3.4092, 0.3925, 0.5266** is the 20% darker color. If you saturate the color by 10%, you get **12.2425, 0.4097, 0.5129**, and if you desaturate by 10%, it is **12.2983, 0.4066, 0.5051**.

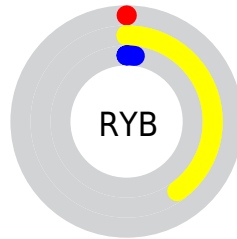
Distribution



Red (38%)

Green (40%)

Blue (0%)



Red (0%)

Yellow (40%)

Blue (2%)

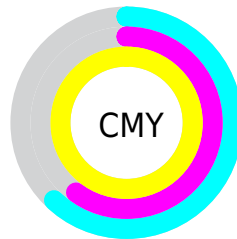


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (62%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2419, 0.4097, 0.5129 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 12.2419, 0.4097, 0.5129 by changing the saturation by 10% instead.


 12.2419, 0.4097,
0.5129


 12.2419, 0.4097,
0.5129


 206.0002, 0.3598,
0.4046


 6.9086, 0.4190,
0.5448


 29.9349, 0.3937,
0.4708


 3.4050, 0.4203,
0.5797

 43.0635, 0.3866,
0.4555


 1.3467, 0.3951,
0.6049

 59.5592, 0.3805,
0.4430

 0.1769, 0.0000,
1.0000

 79.8066, 0.3751,
0.4326


 0.0000, 0.0000,
0.0000


 104.1900, 0.3705,
0.4239


 133.0938, 0.3665,

0.4165


 166.9024, 0.3629,
0.4101

 12.2419, 0.4097,
0.5129

 12.2419, 0.4097,
0.5129


 12.2425, 0.4097,
0.5129

 12.2983, 0.4066,
0.5051

 12.3618, 0.4024,
0.4955

 12.4413, 0.3959,
0.4820

 12.5384, 0.3873,
0.4649

 12.6545, 0.3768,
0.4450

■ 12.7912, 0.3649,
0.4229

■ 12.9495, 0.3522,
0.3996

■ 13.1307, 0.3389,
0.3757

■ 13.3356, 0.3257,
0.3520

Harmonies

Analogous

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



12.2419, 0.4882, 0.4466



12.2419, 0.4097, 0.5129



12.2419, 0.3130, 0.5274

Triad

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



12.2419, 0.4097, 0.5129



12.2419, 0.1390, 0.2291



12.2419, 0.3911, 0.2410

Complementary

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



12.2419, 0.4097, 0.5129



1.0183, 0.1535, 0.0619

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.



12.2419, 0.2804, 0.1964



12.2419, 0.4097, 0.5129



12.2419, 0.1517, 0.1849

Square

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



12.2419, 0.4097, 0.5129



12.2419, 0.1603, 0.3209



12.2419, 0.1976, 0.1764



12.2419, 0.4884, 0.3026

Rectangle

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



12.2419, 0.4097, 0.5129



12.2419, 0.2496, 0.4833



12.2419, 0.1976, 0.1764



12.2419, 0.3530, 0.2237

Sweetspot

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



12.2425, 0.4097, 0.5129



23.1575, 0.3533, 0.4016



2.9958, 0.6330, 0.3356



5.6276, 0.3573, 0.4090



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.2425, 0.4097, 0.5129



21.9008, 0.4094, 0.5131



10.2911, 0.3338, 0.5732



3.2602, 0.3243, 0.3494



15.3951, 0.4096, 0.5130



80.1607, 0.4090, 0.5135

Inverse Universe

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



1.0183, 0.1535, 0.0619



1.8045, 0.1526, 0.0614



1.8392, 0.2175, 0.0972



2.7707, 0.3007, 0.3078



1.2754, 0.1531, 0.0617



6.5205, 0.1513, 0.0607

Previews

White Background



This preview shows how the Yxy color 12.2419, 0.4097, 0.5129 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 12.2419, 0.4097, 0.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

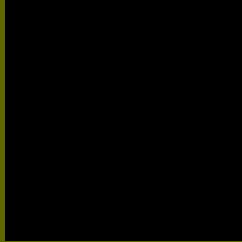
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2419, 0.4097, 0.5129

Background



This preview shows how black text looks on a background with the Yxy color 12.2419, 0.4097, 0.5129.



This preview shows how white text looks on a background with the Yxy color 12.2419, 0.4097, 0.5129.

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

12.2419, 0.4097, 0.5129

Protanopia

12.1149, 0.4404, 0.4885

Deuteranopia

12.1543, 0.4616, 0.4551



Tritanopia

12.2881, 0.3149, 0.3136

Trichromacy



Original Color

12.2419, 0.4097, 0.5129

Protanomaly

12.1785, 0.4290, 0.4976

Deuteranomaly

12.1510, 0.4423, 0.4766

Tritanomaly

12.0837, 0.3627, 0.4053

Monochromacy



Original Color

12.2419, 0.4097, 0.5129

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5761, 0.3639, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2419, 0.4097, 0.5129 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(97, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 103, 0)  
}
```

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(97, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.2419, 0.4097, 0.5129 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(97, 103, 0) }
```

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

```
.border{ border-color:rgb(97, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 103, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2419, 0.4097, 0.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 103, 0) }
```

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

```
.background{ background-color: rgb(97, 103,  
0) }
```

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