

Converting Colors

$Y_{xy}(11.9790, 0.4152, 0.5359)$

Have a look what the booklet for
Yxy(11.9790, 0.4152, 0.5359)
contains.

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Color

Yxy(12.0802, 0.4049, 0.5167)

Conversions

Conversions Part 1

Format	Color
Hex	5E6700
RGB	94, 103, 0
RGB Percent	37%, 40%, 0%
CMY	0.6314, 0.5961, 1.0000
CMYK	0.09, 0.00, 1.00, 0.60
HSL	65°, 100%, 20%
HSV	65°, 100%, 40%
XYZ	9.4664, 12.0802, 1.8330
YIQ	88.5670, 27.6990, -33.9410

Conversions

Conversions Part 2

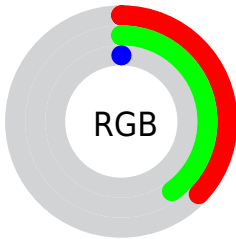
Format	Color
RYB	0, 103, 9
Decimal	6186752
CIELab	41.34, -15.40, 47.61
CIELCh	41, 50.039, 107.927
Yxy	12.0802, 0.4049, 0.5167
Android (android.graphics.Color)	4284376832 (0xFF5E6700)
YUV	88.5670, -43.6635, 4.7647
Hunter-Lab	34.7566, -12.2074, 21.2028

Details

The Yxy color **12.0802, 0.4049, 0.5167** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0378, 0.1553, 0.0629**, and the grayscale version is **9.9836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6300, 0.3895, 0.4735**, and **3.3638, 0.3871, 0.5308** is the 20% darker color. If you saturate the color by 10%, you get **12.0807, 0.4049, 0.5167**, and if you desaturate by 10%, it is **12.1512, 0.4023, 0.5084**.

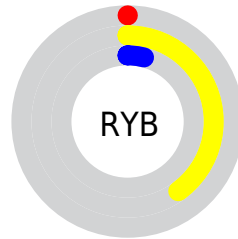
Distribution



Red (37%)

Green (40%)

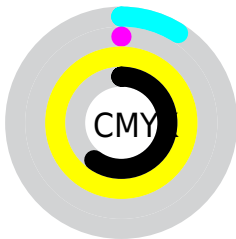
Blue (0%)



Red (0%)

Yellow (40%)

Blue (4%)

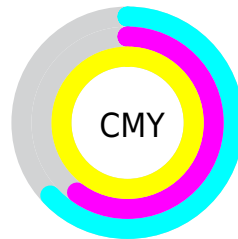


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (63%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0802, 0.4049, 0.5167 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 12.0802, 0.4049, 0.5167 by changing the saturation by 10% instead.


 12.0802, 0.4049,
0.5167


 12.0802, 0.4049,
0.5167


 204.9355, 0.3579,
0.4053


 6.7983, 0.4133,
0.5503


 29.6411, 0.3901,
0.4730


 3.3363, 0.4128,
0.5872

 42.6889, 0.3835,
0.4573

 1.3097, 0.3843,
0.6157

 59.0941, 0.3776,
0.4445

 0.1487, 0.0000,
1.0000

 79.2412, 0.3726,
0.4339

 0.0000, 0.0000,
0.0000

 103.5144, 0.3681,
0.4250

 132.2983, 0.3643,


0.4174


 165.9772, 0.3609,
0.4109


 12.0802, 0.4049,
0.5167


 12.0802, 0.4049,
0.5167


 12.0807, 0.4049,
0.5167

 12.1512, 0.4023,
0.5084

 12.2298, 0.3986,
0.4981

 12.3245, 0.3925,
0.4840

 12.4372, 0.3844,
0.4664

 12.5693, 0.3744,
0.4460

■ 12.7222, 0.3630,
0.4235

■ 12.8970, 0.3508,
0.3999

■ 13.0950, 0.3380,
0.3758

■ 13.3172, 0.3252,
0.3520

Harmonies

Analogous

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



12.0802, 0.4856, 0.4511



12.0802, 0.4049, 0.5167



12.0802, 0.3073, 0.5270

Triad

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



12.0802, 0.4049, 0.5167



12.0802, 0.1380, 0.2248



12.0802, 0.3979, 0.2435

Complementary

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



12.0802, 0.4049, 0.5167



1.0378, 0.1553, 0.0629

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.



12.0802, 0.2858, 0.1976



12.0802, 0.4049, 0.5167



12.0802, 0.1525, 0.1827

Square

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



12.0802, 0.4049, 0.5167



12.0802, 0.1572, 0.3143



12.0802, 0.2006, 0.1760



12.0802, 0.4934, 0.3061

Rectangle

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



12.0802, 0.4049, 0.5167



12.0802, 0.2441, 0.4790



12.0802, 0.2006, 0.1760



12.0802, 0.3596, 0.2258

Sweetspot

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



12.0808, 0.4049, 0.5167



23.0627, 0.3519, 0.4020



3.0703, 0.6284, 0.3392



5.6023, 0.3557, 0.4094



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.



12.0808, 0.4049, 0.5167



21.6056, 0.4045, 0.5170



10.2131, 0.3298, 0.5763



3.2564, 0.3239, 0.3495



15.1908, 0.4047, 0.5169



79.0368, 0.4038, 0.5176

Inverse Universe

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



1.0378, 0.1553, 0.0629



1.8303, 0.1539, 0.0621



1.9430, 0.2244, 0.1010



2.7741, 0.3011, 0.3078



1.2968, 0.1547, 0.0626



6.5872, 0.1522, 0.0612

Previews

White Background



This preview shows how the Yxy color 12.0802, 0.4049, 0.5167 looks on a white background.

Color Contrast Check

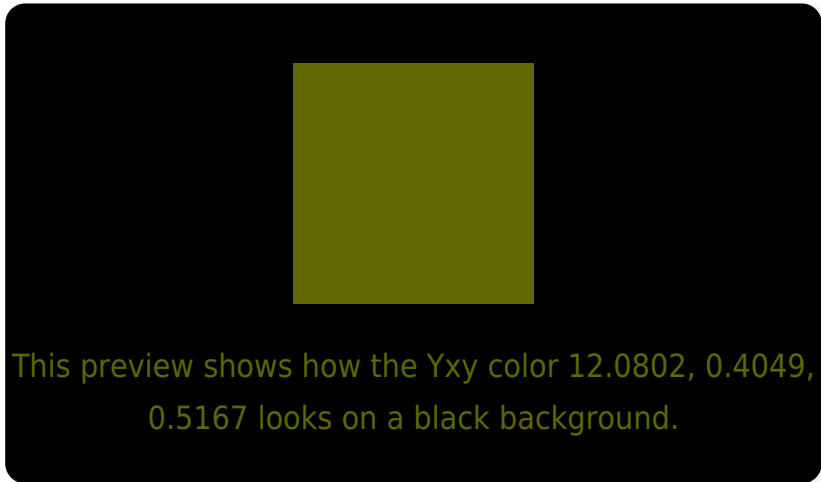
Large Text (above 18pt) WCAG AA ✓ Pass

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

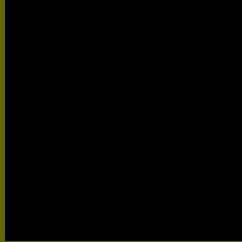
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0802, 0.4049, 0.5167

Background



This preview shows how black text looks on a background with the Yxy color 12.0802, 0.4049, 0.5167.



This preview shows how white text looks on a background with the Yxy color 12.0802, 0.4049, 0.5167.

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

12.0802, 0.4049, 0.5167

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

12.0801, 0.4600, 0.4561



Tritanopia

12.1117, 0.3104, 0.3134

Trichromacy



Original Color

12.0802, 0.4049, 0.5167

Protanomaly

12.0574, 0.4258, 0.5001

Deuteranomaly

12.0183, 0.4391, 0.4790

Tritanomaly

11.9137, 0.3578, 0.4066

Monochromacy



Original Color

12.0802, 0.4049, 0.5167

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.5250, 0.3621, 0.4209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0802, 0.4049, 0.5167 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(94, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.0802, 0.4049, 0.5167 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(94, 103, 0) }
```

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

```
.border{ border-color:rgb(94, 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(94, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 103, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0802, 0.4049, 0.5167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 0) }
```

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

```
.background{ background-color: rgb(94, 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](#).

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