

Converting Colors

$Y_{xy}(11.8153, 0.4043, 0.5172)$

Have a look what the booklet for
Yxy(11.8153, 0.4043, 0.5172)
contains.

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Color

Yxy(11.8299, 0.4048, 0.5168)

Conversions

Conversions Part 1

Format	Color
Hex	5D6600
RGB	93, 102, 0
RGB Percent	36%, 40%, 0%
CMY	0.6353, 0.6000, 1.0000
CMYK	0.09, 0.00, 1.00, 0.60
HSL	65°, 100%, 20%
HSV	65°, 100%, 40%
XYZ	9.2661, 11.8299, 1.7946
YIQ	87.6810, 27.3780, -33.6300

Conversions

Conversions Part 2

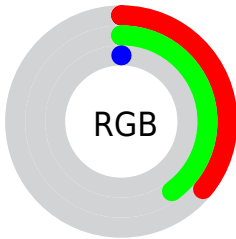
Format	Color
RYB	0, 102, 9
Decimal	6120960
CIELab	40.94, -15.33, 47.28
CIELCh	41, 49.705, 107.963
Yxy	11.8299, 0.4048, 0.5168
Android (android.graphics.Color)	4284311040 (0xFF5D6600)
YUV	87.6810, -43.2267, 4.6648
Hunter-Lab	34.3946, -12.1015, 20.9826

Details

The Yxy color **11.8299, 0.4048, 0.5168** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.0174, 0.1553, 0.0629**, and the grayscale version is **9.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2092, 0.3892, 0.4730**, and **3.2460, 0.3866, 0.5312** is the 20% darker color. If you saturate the color by 10%, you get **11.8305, 0.4048, 0.5168**, and if you desaturate by 10%, it is **11.9000, 0.4022, 0.5084**.

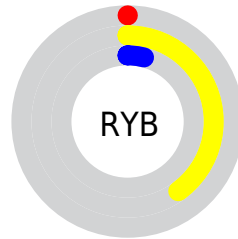
Distribution



Red (36%)

Green (40%)

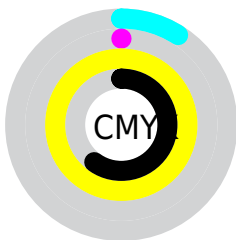
Blue (0%)



Red (0%)

Yellow (40%)

Blue (4%)

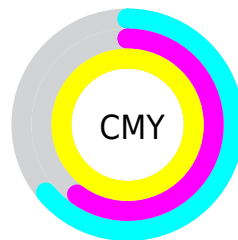


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (64%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8299, 0.4048, 0.5168 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 11.8299, 0.4048, 0.5168 by changing the saturation by 10% instead.


 11.8299, 0.4048,
0.5168


 11.8299, 0.4048,
0.5168


 203.2759, 0.3577,
0.4050


 6.6280, 0.4136,
0.5511


 29.1849, 0.3899,
0.4728


 3.2305, 0.4123,
0.5877

 42.1068, 0.3833,
0.4571


 1.2532, 0.3828,
0.6172

 58.3708, 0.3774,
0.4442

 0.1046, 0.0000,
1.0000


 78.3612, 0.3723,
0.4336


 0.0000, 0.0000,
0.0000


 102.4626, 0.3679,
0.4247

 131.0592, 0.3641,


0.4171

 164.5355, 0.3607,
0.4106


 11.8299, 0.4048,
0.5168


 11.8299, 0.4048,
0.5168


 11.8305, 0.4048,
0.5168

 11.9000, 0.4022,
0.5084

 11.9774, 0.3984,
0.4981

 12.0706, 0.3924,
0.4840

 12.1813, 0.3842,
0.4664

 12.3111, 0.3743,
0.4459

■ 12.4612, 0.3629,
0.4235

■ 12.6327, 0.3507,
0.3998

■ 12.8269, 0.3380,
0.3758

■ 13.0447, 0.3252,
0.3520

Harmonies

Analogous

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



11.8299, 0.4855, 0.4512



11.8299, 0.4048, 0.5168



11.8299, 0.3072, 0.5271

Triad

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



11.8299, 0.4048, 0.5168



11.8299, 0.1379, 0.2247



11.8299, 0.3981, 0.2436

Complementary

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



11.8299, 0.4048, 0.5168



1.0174, 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.



11.8299, 0.2859, 0.1976



11.8299, 0.4048, 0.5168



11.8299, 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.



11.8299, 0.4048, 0.5168



11.8299, 0.1572, 0.3142



11.8299, 0.2007, 0.1760



11.8299, 0.4936, 0.3061

Rectangle

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



11.8299, 0.4048, 0.5168



11.8299, 0.2440, 0.4789



11.8299, 0.2007, 0.1760



11.8299, 0.3597, 0.2259

Sweetspot

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



11.8305, 0.4048, 0.5168



22.1273, 0.3518, 0.4019



3.0093, 0.6283, 0.3393



5.1984, 0.3554, 0.4089



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.8305, 0.4048, 0.5168



20.7242, 0.4044, 0.5171



10.0057, 0.3298, 0.5763



3.2563, 0.3239, 0.3495



15.1856, 0.4046, 0.5170



79.0085, 0.4037, 0.5177

Inverse Universe

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



1.0174, 0.1553, 0.0629



1.7584, 0.1540, 0.0622



1.9045, 0.2245, 0.1010



2.7742, 0.3011, 0.3078



1.2973, 0.1547, 0.0626



6.5892, 0.1523, 0.0612

Previews

White Background



This preview shows how the Yxy color 11.8299, 0.4048, 0.5168 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 11.8299, 0.4048, 0.5168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

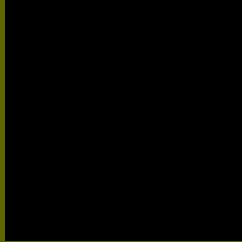
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8299, 0.4048, 0.5168

Background



This preview shows how black text looks on a background with the Yxy color 11.8299, 0.4048, 0.5168.



This preview shows how white text looks on a background with the Yxy color 11.8299, 0.4048, 0.5168.

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

11.8299, 0.4048, 0.5168

Protanopia

11.8006, 0.4390, 0.4896

Deuteranopia

11.8323, 0.4603, 0.4556



Tritanopia

11.8531, 0.3104, 0.3133

Trichromacy



Original Color

11.8299, 0.4048, 0.5168

Protanomaly

11.8072, 0.4259, 0.5001

Deuteranomaly

11.7694, 0.4392, 0.4787

Tritanomaly

11.6584, 0.3582, 0.4073

Monochromacy



Original Color

11.8299, 0.4048, 0.5168

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.2879, 0.3626, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8299, 0.4048, 0.5168 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(93, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 102, 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(93, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8299, 0.4048, 0.5168 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(93, 102, 0) }
```

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

```
.border{ border-color:rgb(93, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(93, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 102, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8299, 0.4048, 0.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 102, 0) }
```

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

```
.background{ background-color: rgb(93, 102,  
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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