

Converting Colors

$Y_{xy}(16.5545, 0.3842, 0.5331)$

Have a look what the booklet for
Yxy(16.5545, 0.3842, 0.5331)
contains.

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Color

Yxy(16.4605, 0.3848, 0.5327)

Conversions

Conversions Part 1

Format	Color
Hex	617A00
RGB	97, 122, 0
RGB Percent	38%, 48%, 0%
CMY	0.6195, 0.5216, 1.0000
CMYK	0.20, 0.00, 1.00, 0.52
HSL	72°, 100%, 24%
HSV	72°, 100%, 48%
XYZ	11.8904, 16.4605, 2.5493
YIQ	100.6170, 24.2620, -43.2420

Conversions

Conversions Part 2

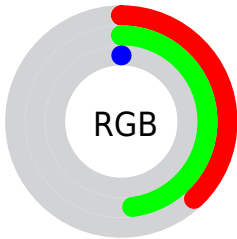
Format	Color
RYB	0, 122, 25
Decimal	6388224
CIELab	47.57, -23.95, 52.39
CIELCh	48, 57.609, 114.571
Yxy	16.4605, 0.3848, 0.5327
Android (android.graphics.Color)	4284578304 (0xFF617A00)
YUV	100.6170, -49.6042, -3.1721
Hunter-Lab	40.5715, -18.6869, 24.6747

Details

The Yxy color **16.4605, 0.3848, 0.5327** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.6116, 0.1628, 0.0670**, and the grayscale version is **13.0366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2216, 0.3765, 0.4862**, and **5.3459, 0.3617, 0.5510** is the 20% darker color. If you saturate the color by 10%, you get **16.4613, 0.3848, 0.5327**, and if you desaturate by 10%, it is **16.6278, 0.3849, 0.5233**.

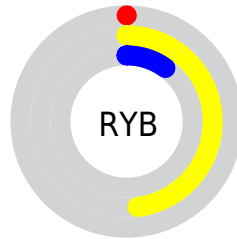
Distribution



Red (38%)

Green (48%)

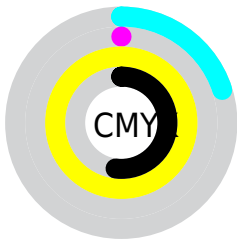
Blue (0%)



Red (0%)

Yellow (48%)

Blue (10%)

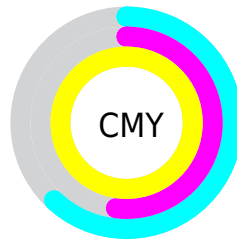


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (62%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4605, 0.3848, 0.5327 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 16.4605, 0.3848, 0.5327 by changing the saturation by 10% instead.


 16.4605, 0.3848,
0.5327


 16.4605, 0.3848,
0.5327


232.0439, 0.3527,
0.4144


 9.8506, 0.3861,
0.5643


 37.3958, 0.3765,
0.4869


 5.3000, 0.3870,
0.6130

 52.4900, 0.3720,
0.4703


 2.4243, 0.3558,
0.6442

 71.1812, 0.3679,
0.4567

 0.8384, 0.2019,
0.7981

 93.8535, 0.3641,
0.4453


 0.0000, 0.0000,
0.0000


 120.8916, 0.3608,
0.4358


 152.6798, 0.3578,

0.4276

 189.6024, 0.3551,
0.4206


 16.4605, 0.3848,
0.5327


 16.4605, 0.3848,
0.5327


 16.4613, 0.3848,
0.5327

 16.6278, 0.3849,
0.5233

 16.8122, 0.3834,
0.5112

 17.0239, 0.3796,
0.4950

 17.2655, 0.3735,
0.4751

 17.5395, 0.3656,
0.4525

■ 17.8479, 0.3562,
0.4280

■ 18.1927, 0.3457,
0.4027

■ 18.5755, 0.3348,
0.3773

■ 18.9981, 0.3237,
0.3526

Harmonies

Analogous

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



16.4605, 0.4742, 0.4703



16.4605, 0.3848, 0.5327



16.4605, 0.2837, 0.5244

Triad

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



16.4605, 0.3848, 0.5327



16.4605, 0.1336, 0.2076



16.4605, 0.4266, 0.2538

Complementary

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



16.4605, 0.3848, 0.5327



1.6116, 0.1628, 0.0670

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.



16.4605, 0.3088, 0.2022



16.4605, 0.3848, 0.5327



16.4605, 0.1558, 0.1741

Square

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



16.4605, 0.3848, 0.5327



16.4605, 0.1448, 0.2879



16.4605, 0.2130, 0.1743



16.4605, 0.5139, 0.3199

Rectangle

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



16.4605, 0.3848, 0.5327



16.4605, 0.2215, 0.4598



16.4605, 0.2130, 0.1743



16.4605, 0.3876, 0.2344

Sweetspot

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



16.4613, 0.3848, 0.5327



31.9603, 0.3465, 0.4045



4.8075, 0.6123, 0.3520



7.2598, 0.3501, 0.4131



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.4613, 0.3848, 0.5327



28.9024, 0.3840, 0.5333



14.3050, 0.3163, 0.5870



4.5945, 0.3226, 0.3503



17.3276, 0.3847, 0.5327



82.2867, 0.3829, 0.5342

Inverse Universe

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



1.6116, 0.1628, 0.0670



2.7852, 0.1611, 0.0661



3.3552, 0.2488, 0.1144



3.9295, 0.3023, 0.3071



1.6936, 0.1626, 0.0669



7.7790, 0.1590, 0.0649

Previews

White Background



This preview shows how the Yxy color 16.4605, 0.3848, 0.5327 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 16.4605, 0.3848, 0.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

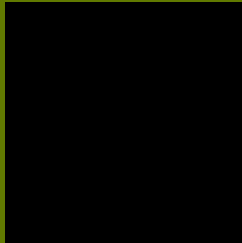
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4605, 0.3848, 0.5327

Background



This preview shows how black text looks on a background with the Yxy color 16.4605, 0.3848, 0.5327.



This preview shows how white text looks on a background with the Yxy color 16.4605, 0.3848, 0.5327.

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

16.4605, 0.3848, 0.5327

Protanopia

16.3223, 0.4394, 0.4893

Deuteranopia

16.3241, 0.4610, 0.4545



Tritanopia

16.3412, 0.2945, 0.3108

Trichromacy



Original Color

16.4605, 0.3848, 0.5327

Protanomaly

16.2038, 0.4193, 0.5053

Deuteranomaly

16.0557, 0.4350, 0.4824

Tritanomaly

15.9244, 0.3412, 0.4112

Monochromacy



Original Color

16.4605, 0.3848, 0.5327

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.0168, 0.3573, 0.4299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4605, 0.3848, 0.5327 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, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(97, 122, 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, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.4605, 0.3848, 0.5327 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, 122, 0) }
```

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

```
.border{ border-color:rgb(97, 122, 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, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(97, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.4605, 0.3848, 0.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 122, 0) }
```

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

```
.background{ background-color: rgb(97, 122,  
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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