

Converting Colors

$Y_{xy}(15.8080, 0.4080, 0.5181)$

Have a look what the booklet for
Yxy(15.8080, 0.4080, 0.5181)
contains.

Yxy(15.9107, 0.4065, 0.5155)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9107, 0.4065, 0.5155)

Conversions

Conversions Part 1

Format	Color
Hex	6C7500
RGB	108, 117, 0
RGB Percent	42%, 46%, 0%
CMY	0.5764, 0.5412, 1.0000
CMYK	0.08, 0.00, 1.00, 0.54
HSL	65°, 100%, 23%
HSV	65°, 100%, 46%
XYZ	12.5465, 15.9107, 2.4074
YIQ	100.9710, 32.1930, -38.2950

Conversions

Conversions Part 2

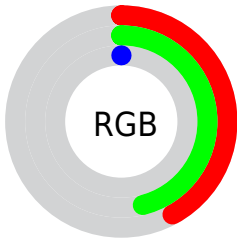
Format	Color
RYB	0, 117, 9
Decimal	7107840
CIELab	46.86, -16.35, 52.24
CIELCh	47, 54.739, 107.381
Yxy	15.9107, 0.4065, 0.5155
Android (android.graphics.Color)	4285297920 (0xFF6C7500)
YUV	100.9710, -49.7787, 6.1644
Hunter-Lab	39.8882, -13.6589, 24.3433

Details

The Yxy color **15.9107, 0.4065, 0.5155** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.3424, 0.1540, 0.0622**, and the grayscale version is **13.1318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5213, 0.3927, 0.4751**, and **5.0970, 0.3899, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **15.9116, 0.4065, 0.5155**, and if you desaturate by 10%, it is **15.9941, 0.4042, 0.5082**.

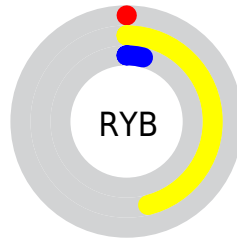
Distribution



Red (42%)

Green (46%)

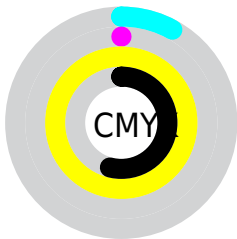
Blue (0%)



Red (0%)

Yellow (46%)

Blue (4%)

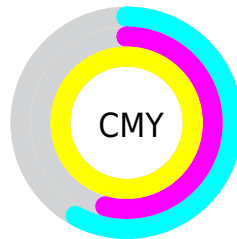


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (58%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9107, 0.4065, 0.5155 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 15.9107, 0.4065, 0.5155 by changing the saturation by 10% instead.


 15.9107, 0.4065,
0.5155


 15.9107, 0.4065,
0.5155


228.8142, 0.3609,
0.4094


 9.4610, 0.4123,
0.5424


 36.4431, 0.3925,
0.4754


 5.0431, 0.4185,
0.5815

 51.2946, 0.3862,
0.4605


 2.2726, 0.3968,
0.6032

 69.7154, 0.3805,
0.4482

 0.7591, 0.2981,
0.7019


 92.0901, 0.3756,
0.4378


 0.0000, 0.0000,
0.0000


 118.8029, 0.3712,
0.4291


 150.2382, 0.3673,


0.4215

 186.7805, 0.3639,
0.4151


 15.9107, 0.4065,
0.5155


 15.9107, 0.4065,
0.5155


 15.9116, 0.4065,
0.5155

 15.9941, 0.4042,
0.5082

 16.0890, 0.4006,
0.4985

 16.2053, 0.3945,
0.4849

 16.3453, 0.3862,
0.4676

 16.5113, 0.3761,
0.4472

■ 16.7050, 0.3644,
0.4247

■ 16.9282, 0.3518,
0.4008

■ 17.1822, 0.3388,
0.3765

■ 17.4687, 0.3256,
0.3523

Harmonies

Analogous

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



15.9107, 0.4865, 0.4496



15.9107, 0.4065, 0.5155



15.9107, 0.3092, 0.5273

Triad

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



15.9107, 0.4065, 0.5155



15.9107, 0.1383, 0.2262



15.9107, 0.3957, 0.2426

Complementary

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



15.9107, 0.4065, 0.5155



1.3424, 0.1540, 0.0622

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.



15.9107, 0.2840, 0.1972



15.9107, 0.4065, 0.5155



15.9107, 0.1522, 0.1834

Square

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



15.9107, 0.4065, 0.5155



15.9107, 0.1582, 0.3165



15.9107, 0.1996, 0.1761



15.9107, 0.4918, 0.3049

Rectangle

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



15.9107, 0.4065, 0.5155



15.9107, 0.2459, 0.4805



15.9107, 0.1996, 0.1761



15.9107, 0.3574, 0.2251

Sweetspot

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



15.9116, 0.4065, 0.5155



30.2804, 0.3528, 0.4027



3.9513, 0.6319, 0.3365



6.9306, 0.3570, 0.4106



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.9116, 0.4065, 0.5155



28.4669, 0.4061, 0.5157



13.4187, 0.3308, 0.5756



4.2527, 0.3243, 0.3501



17.5281, 0.4064, 0.5155



85.2488, 0.4057, 0.5161

Inverse Universe

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



1.3424, 0.1540, 0.0622



2.3763, 0.1530, 0.0616



2.4531, 0.2196, 0.0983



3.6021, 0.3006, 0.3072



1.4758, 0.1538, 0.0621



7.0363, 0.1518, 0.0610

Previews

White Background



This preview shows how the Yxy color 15.9107, 0.4065, 0.5155 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 15.9107, 0.4065, 0.5155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

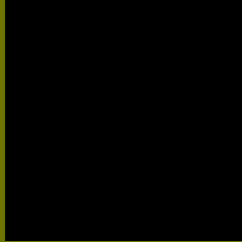
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9107, 0.4065, 0.5155

Background



This preview shows how black text looks on a background with the Yxy color 15.9107, 0.4065, 0.5155.



This preview shows how white text looks on a background with the Yxy color 15.9107, 0.4065, 0.5155.

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

15.9107, 0.4065, 0.5155

Protanopia

15.7289, 0.4397, 0.4891

Deuteranopia

15.7256, 0.4631, 0.4556



Tritanopia

15.9346, 0.3121, 0.3132

Trichromacy



Original Color

15.9107, 0.4065, 0.5155

Protanomaly

15.7322, 0.4280, 0.4983

Deuteranomaly

15.5530, 0.4431, 0.4774

Tritanomaly

15.5935, 0.3624, 0.4083

Monochromacy



Original Color

15.9107, 0.4065, 0.5155

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8286, 0.3646, 0.4240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9107, 0.4065, 0.5155 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, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 117, 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(108, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.9107, 0.4065, 0.5155 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, 117, 0) }
```

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

```
.border{ border-color:rgb(108, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9107, 0.4065, 0.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 117, 0) }
```

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

```
.background{ background-color: rgb(108,  
117, 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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