

Converting Colors

$Y_{xy}(16.1491, 0.4044, 0.5011)$

Have a look what the booklet for
Yxy(16.1491, 0.4044, 0.5011)
contains.

Yxy(16.1491, 0.4044, 0.5011)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.1491, 0.4044, 0.5011)

Conversions

Conversions Part 1

Format	Color
Hex	6F7513
RGB	111, 117, 19
RGB Percent	44%, 46%, 7%
CMY	0.5648, 0.5411, 0.9255
CMYK	0.05, 0.00, 0.84, 0.54
HSL	64°, 72%, 27%
HSV	64°, 84%, 46%
XYZ	13.0327, 16.1491, 3.0455
YIQ	104.0340, 27.8820, -31.7500

Conversions

Conversions Part 2

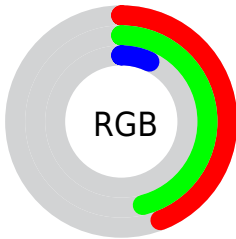
Format	Color
R_{YB}	19, 117, 25
Decimal	7304467
CIE Lab	47.17, -14.45, 48.20
CIE LCh	47, 50.322, 106.689
Yxy	16.1491, 0.4044, 0.5011
Android (android.graphics.Color)	4285494547 (0xFF6F7513)
YUV	104.0340, -41.9218, 6.1092
Hunter-Lab	40.1859, -12.4360, 23.6369

Details

The Yxy color **16.1491, 0.4044, 0.5011** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9567, 0.1686, 0.0858**, and the grayscale version is **13.9612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8563, 0.3885, 0.4633**, and **5.2169, 0.3990, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **16.0724, 0.4075, 0.5091**, and if you desaturate by 10%, it is **16.2470, 0.3990, 0.4892**.

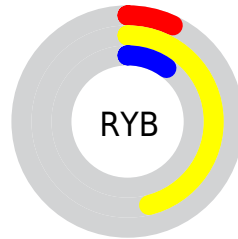
Distribution



Red (44%)

Green (46%)

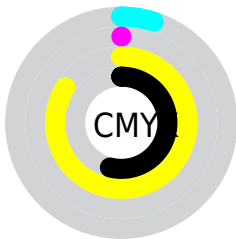
Blue (7%)



Red (7%)

Yellow (46%)

Blue (10%)

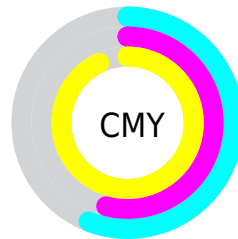


Cyan (5%)

Magenta (0%)

Yellow (84%)

Black (54%)



Cyan (56%)


Magenta (54%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1491, 0.4044, 0.5011 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 16.1491, 0.4044, 0.5011 by changing the saturation by 10% instead.


 16.1491, 0.4044,
0.5011


 16.1491, 0.4044,
0.5011


 230.2199, 0.3580,
0.4025


 9.6297, 0.4119,
0.5269


 36.8569, 0.3892,
0.4633


 5.1541, 0.4272,
0.5728

 51.8140, 0.3827,
0.4495


 2.3380, 0.4084,
0.5916

 70.3526, 0.3771,
0.4381

 0.7937, 0.3360,
0.6640


 92.8569, 0.3722,
0.4286


 0.0000, 0.0000,
0.0000


 119.7114, 0.3680,
0.4205


 151.3005, 0.3642,


0.4137

 188.0085, 0.3609,
0.4077


 16.1491, 0.4044,
0.5011


 16.1491, 0.4044,
0.5011


 16.0724, 0.4075,
0.5091


 16.2470, 0.3990,
0.4892

 16.0277, 0.4091,
0.5134

 16.3669, 0.3913,
0.4735

 16.5117, 0.3815,
0.4545

 16.6834, 0.3701,
0.4329

 16.8836, 0.3575,
0.4097

■ 17.1140, 0.3443,
0.3856

■ 17.3761, 0.3309,
0.3614

■ 17.6713, 0.3176,
0.3377

■ 18.0007, 0.3048,
0.3150

Harmonies

Analogous

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



16.1491, 0.4769, 0.4428



16.1491, 0.4044, 0.5011



16.1491, 0.3139, 0.5094

Triad

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



16.1491, 0.4044, 0.5011



16.1491, 0.1496, 0.2364



16.1491, 0.3868, 0.2478

Complementary

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



16.1491, 0.4044, 0.5011



1.9567, 0.1686, 0.0858

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.



16.1491, 0.2847, 0.2051



16.1491, 0.4044, 0.5011



16.1491, 0.1620, 0.1941

Square

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



16.1491, 0.4044, 0.5011



16.1491, 0.1702, 0.3213



16.1491, 0.2064, 0.1859



16.1491, 0.4754, 0.3067

Rectangle

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



16.1491, 0.4044, 0.5011



16.1491, 0.2544, 0.4677



16.1491, 0.2064, 0.1859



16.1491, 0.3519, 0.2313

Sweetspot

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



16.1498, 0.4044, 0.5011



30.5603, 0.3468, 0.3901



4.4781, 0.5837, 0.3360



6.9996, 0.3505, 0.3967



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.



16.1498, 0.4044, 0.5011



28.6754, 0.4088, 0.5136



13.8314, 0.3387, 0.5488



4.2554, 0.3246, 0.3500



17.6540, 0.4090, 0.5134



85.8930, 0.4084, 0.5139

Inverse Universe

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



1.9567, 0.1686, 0.0858



2.3606, 0.1524, 0.0613



3.1623, 0.2337, 0.1195



3.5996, 0.3003, 0.3072



1.4636, 0.1531, 0.0617



7.0005, 0.1514, 0.0607

Previews

White Background



This preview shows how the Yxy color 16.1491, 0.4044, 0.5011 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 16.1491, 0.4044, 0.5011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

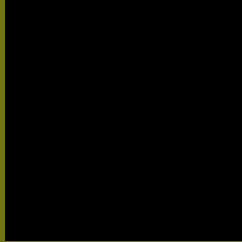
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1491, 0.4044, 0.5011

Background



This preview shows how black text looks on a background with the Yxy color 16.1491, 0.4044, 0.5011.



This preview shows how white text looks on a background with the Yxy color 16.1491, 0.4044, 0.5011.

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

16.1491, 0.4044, 0.5011

Protanopia

16.0676, 0.4333, 0.4799

Deuteranopia

16.0454, 0.4588, 0.4509



Tritanopia

16.1436, 0.3161, 0.3134

Trichromacy



Original Color

16.1491, 0.4044, 0.5011

Protanomaly

16.1432, 0.4233, 0.4876

Deuteranomaly

15.9595, 0.4393, 0.4694

Tritanomaly

15.8954, 0.3579, 0.3928

Monochromacy



Original Color

16.1491, 0.4044, 0.5011

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5441, 0.3565, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1491, 0.4044, 0.5011 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(111, 117, 19)` looks like.

```
.text, #text, p{  
    color:rgb(111, 117, 19)  
}
```

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(111, 117, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 117, 19) }
```

Border

The CSS property to change the border of an element to Yxy 16.1491, 0.4044, 0.5011 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(111, 117, 19) }
```

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

```
.border{ border-color:rgb(111, 117, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 117, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 117, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 117, 19);  
box-shadow:4px 4px 4px 4px rgb(111, 117,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1491, 0.4044, 0.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 117, 19) }
```

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

```
.background{ background-color: rgb(111,  
117, 19) }
```

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