

Converting Colors

$Y_{xy}(16.1555, 0.4038, 0.5159)$

Have a look what the booklet for
Yxy(16.1555, 0.4038, 0.5159)
contains.

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Color

Yxy(16.1494, 0.4045, 0.5155)

Conversions

Conversions Part 1

Format	Color
Hex	6C7602
RGB	108, 118, 2
RGB Percent	42%, 46%, 1%
CMY	0.5765, 0.5372, 0.9922
CMYK	0.08, 0.00, 0.98, 0.54
HSL	65°, 97%, 24%
HSV	65°, 98%, 46%
XYZ	12.6720, 16.1494, 2.5062
YIQ	101.7860, 31.2760, -38.1960

Conversions

Conversions Part 2

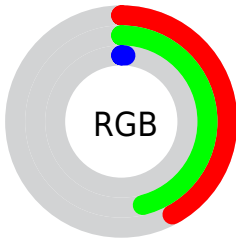
Format	Color
RYB	2, 118, 12
Decimal	7108098
CIELab	47.17, -16.85, 52.02
CIELCh	47, 54.684, 107.951
Yxy	16.1494, 0.4045, 0.5155
Android (android.graphics.Color)	4285298178 (0xFF6C7602)
YUV	101.7860, -49.1945, 5.4497
Hunter-Lab	40.1863, -14.0393, 24.4328

Details

The Yxy color **16.1494, 0.4045, 0.5155** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4297, 0.1558, 0.0647**, and the grayscale version is **13.3524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9061, 0.3914, 0.4751**, and **5.2211, 0.3880, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **16.1350, 0.4048, 0.5168**, and if you desaturate by 10%, it is **16.2412, 0.4024, 0.5080**.

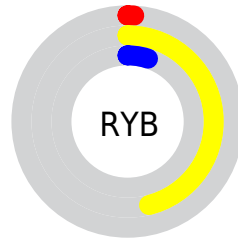
Distribution



Red (42%)

Green (46%)

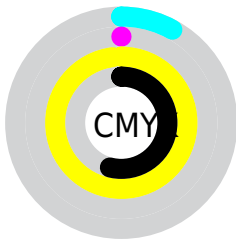
Blue (1%)



Red (1%)

Yellow (46%)

Blue (5%)

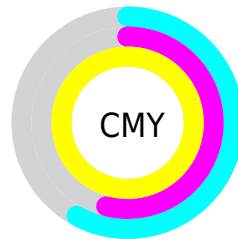


Cyan (8%)

Magenta (0%)

Yellow (98%)

Black (54%)



Cyan (58%)


Magenta (54%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1494, 0.4045, 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 16.1494, 0.4045, 0.5155 by changing the saturation by 10% instead.


 16.1494, 0.4045,
0.5155


 16.1494, 0.4045,
0.5155


230.2217, 0.3600,
0.4093

 9.6299, 0.4100,
0.5425


 36.8574, 0.3909,
0.4752


 5.1543, 0.4169,
0.5831

 51.8147, 0.3847,
0.4603


 2.3381, 0.3948,
0.6052

 70.3534, 0.3792,
0.4480

 0.7938, 0.3017,
0.6983


 92.8579, 0.3743,
0.4377

 0.0000, 0.0000,
0.0000

 119.7126, 0.3701,
0.4289


 151.3018, 0.3663,

0.4214

 188.0101, 0.3629,
0.4149


 16.1494, 0.4045,
0.5155


 16.1494, 0.4045,
0.5155


 16.1350, 0.4048,
0.5168

 16.2412, 0.4024,
0.5080

 16.3479, 0.3985,
0.4975

 16.4770, 0.3922,
0.4830

 16.6309, 0.3838,
0.4649

 16.8117, 0.3735,
0.4440

■ 17.0213, 0.3618,
0.4210

■ 17.2613, 0.3492,
0.3969

■ 17.5333, 0.3363,
0.3724

■ 17.8388, 0.3233,
0.3484

Harmonies

Analogous

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



16.1494, 0.4846, 0.4507



16.1494, 0.4045, 0.5155



16.1494, 0.3075, 0.5253

Triad

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



16.1494, 0.4045, 0.5155



16.1494, 0.1390, 0.2256



16.1494, 0.3974, 0.2441

Complementary

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



16.1494, 0.4045, 0.5155



1.4297, 0.1558, 0.0647

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.



16.1494, 0.2861, 0.1984



16.1494, 0.4045, 0.5155



16.1494, 0.1535, 0.1837

Square

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



16.1494, 0.4045, 0.5155



16.1494, 0.1582, 0.3145



16.1494, 0.2014, 0.1770



16.1494, 0.4921, 0.3064

Rectangle

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



16.1494, 0.4045, 0.5155



16.1494, 0.2447, 0.4775



16.1494, 0.2014, 0.1770



16.1494, 0.3593, 0.2266

Sweetspot

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



16.1501, 0.4045, 0.5155



30.2838, 0.3510, 0.4003



4.1112, 0.6253, 0.3378



6.9292, 0.3553, 0.4085



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.



16.1501, 0.4045, 0.5155



28.3386, 0.4045, 0.5170



13.6497, 0.3293, 0.5747



4.2510, 0.3242, 0.3501



17.4506, 0.4048, 0.5168



84.8526, 0.4040, 0.5174

Inverse Universe

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



1.4297, 0.1558, 0.0647



2.3872, 0.1534, 0.0619



2.6412, 0.2247, 0.1024



3.6036, 0.3007, 0.3072



1.4834, 0.1543, 0.0624



7.0619, 0.1522, 0.0612

Previews

White Background



This preview shows how the Yxy color 16.1494, 0.4045, 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 16.1494, 0.4045, 0.5155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

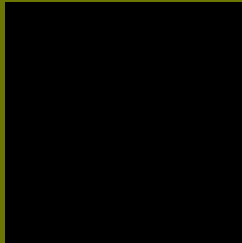
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1494, 0.4045, 0.5155

Background



This preview shows how black text looks on a background with the Yxy color 16.1494, 0.4045, 0.5155.



This preview shows how white text looks on a background with the Yxy color 16.1494, 0.4045, 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

16.1494, 0.4045, 0.5155

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0178, 0.4628, 0.4560



Tritanopia

16.2418, 0.3121, 0.3133

Trichromacy



Original Color

16.1494, 0.4045, 0.5155

Protanomaly

15.9588, 0.4262, 0.4990

Deuteranomaly

15.8480, 0.4426, 0.4771

Tritanomaly

15.9095, 0.3608, 0.4056

Monochromacy



Original Color

16.1494, 0.4045, 0.5155

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.0615, 0.3615, 0.4216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1494, 0.4045, 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, 118, 2)` looks like.

```
.text, #text, p{  
    color:rgb(108, 118, 2)  
}
```

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, 118, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 118, 2) }
```

Border

The CSS property to change the border of an element to Yxy 16.1494, 0.4045, 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, 118, 2) }
```

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

```
.border{ border-color:rgb(108, 118, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 118, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 118, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 118, 2);  
box-shadow:4px 4px 4px 4px rgb(108, 118,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1494, 0.4045, 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, 118, 2) }
```

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

```
.background{ background-color: rgb(108,  
118, 2) }
```

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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