

Converting Colors

$Y_{xy}(15.4263, 0.3860, 0.4976)$

Have a look what the booklet for
Yxy(15.4263, 0.3860, 0.4976)
contains.

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Color

Yxy(15.4093, 0.3865, 0.4980)

Conversions

Conversions Part 1

Format	Color
Hex	66741E
RGB	102, 116, 30
RGB Percent	40%, 45%, 12%
CMY	0.6000, 0.5451, 0.8822
CMYK	0.12, 0.00, 0.74, 0.55
HSL	70°, 59%, 29%
HSV	70°, 74%, 45%
XYZ	11.9592, 15.4093, 3.5738
YIQ	102.0100, 19.2620, -29.7140

Conversions

Conversions Part 2

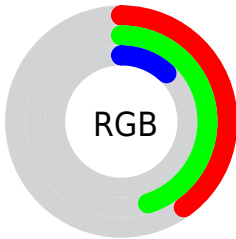
Format	Color
R_{YB}	30, 116, 44
Decimal	6714398
CIE Lab	46.19, -17.51, 43.19
CIE LCh	46, 46.603, 112.071
Yxy	15.4093, 0.3865, 0.4980
Android (android.graphics.Color)	4284904478 (0xFF66741E)
YUV	102.0100, -35.5009, -0.0088
Hunter-Lab	39.2547, -14.3144, 22.0804

Details

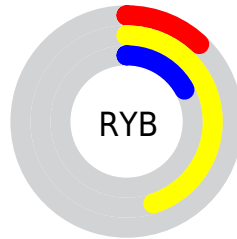
The Yxy color **15.4093, 0.3865, 0.4980** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.7271, 0.1925, 0.1127**, and the grayscale version is **13.3815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5530, 0.3740, 0.4591**, and **4.8643, 0.3827, 0.5344** is the 20% darker color. If you saturate the color by 10%, you get **15.2520, 0.3901, 0.5118**, and if you desaturate by 10%, it is **15.5923, 0.3806, 0.4804**.

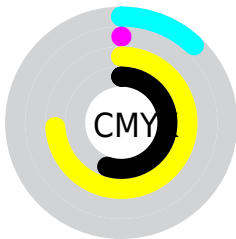
Distribution



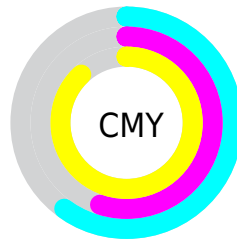
- Red (40%)
- Green (45%)
- Blue (12%)



- Red (12%)
- Yellow (45%)
- Blue (17%)



- Cyan (12%)
- Magenta (0%)
- Yellow (74%)
- Black (55%)





- Cyan (60%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4093, 0.3865, 0.4980 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 15.4093, 0.3865, 0.4980 by changing the saturation by 10% instead.


 15.4093, 0.3865,
0.4980


 15.4093, 0.3865,
0.4980


 225.8304, 0.3490,
0.3982


 9.1071, 0.3926,
0.5267


 35.5696, 0.3741,
0.4582

 4.8111, 0.4055,
0.5780

 50.1966, 0.3689,
0.4443

 2.1369, 0.3880,
0.6120

 68.3673, 0.3643,
0.4329

 0.6852, 0.2462,
0.7538

 90.4661, 0.3604,
0.4235

 0.0000, 0.0000,
0.0000

 116.8774, 0.3570,
0.4156

 147.9856, 0.3540,

0.4090

184.1752, 0.3513,
0.4032

15.4093, 0.3865,
0.4980

15.4093, 0.3865,
0.4980

15.2520, 0.3901,
0.5118

15.5923, 0.3806,
0.4804

15.1153, 0.3915,
0.5217

15.8012, 0.3726,
0.4596

15.0387, 0.3920,
0.5270

16.0384, 0.3630,
0.4365

16.3059, 0.3523,
0.4120

16.6051, 0.3408,
0.3871

■ 16.9375, 0.3291,
0.3624

■ 17.3044, 0.3174,
0.3385

■ 17.7072, 0.3061,
0.3158

■ 18.1471, 0.2953,
0.2946

Harmonies

Analogous

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



15.4093, 0.4593, 0.4501



15.4093, 0.3865, 0.4980



15.4093, 0.2995, 0.4904

Triad

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



15.4093, 0.3865, 0.4980



15.4093, 0.1570, 0.2318



15.4093, 0.4000, 0.2613

Complementary

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



15.4093, 0.3865, 0.4980



2.7271, 0.1925, 0.1127

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.



15.4093, 0.3030, 0.2168



15.4093, 0.3865, 0.4980



15.4093, 0.1743, 0.1972

Square

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



15.4093, 0.3865, 0.4980



15.4093, 0.1713, 0.3053



15.4093, 0.2229, 0.1940



15.4093, 0.4760, 0.3199

Rectangle

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



15.4093, 0.3865, 0.4980



15.4093, 0.2445, 0.4424



15.4093, 0.2229, 0.1940



15.4093, 0.3677, 0.2444

Sweetspot

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



15.4100, 0.3865, 0.4980



29.2742, 0.3390, 0.3832



5.5293, 0.5290, 0.3525



6.9562, 0.3414, 0.3884



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.



15.4100, 0.3865, 0.4980



26.6344, 0.3913, 0.5192



13.5498, 0.3300, 0.5354



4.2375, 0.3231, 0.3501



16.8692, 0.3918, 0.5271



81.8920, 0.3903, 0.5283

Inverse Universe

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



2.7271, 0.1925, 0.1127



3.0226, 0.1685, 0.0778



4.1652, 0.2609, 0.1459



3.6159, 0.3018, 0.3073



1.5632, 0.1592, 0.0650



7.3614, 0.1560, 0.0633

Previews

White Background



This preview shows how the Yxy color 15.4093, 0.3865, 0.4980 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 15.4093, 0.3865, 0.4980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

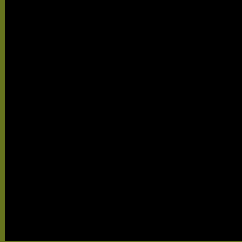
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4093, 0.3865, 0.4980

Background



This preview shows how black text looks on a background with the Yxy color 15.4093, 0.3865, 0.4980.



This preview shows how white text looks on a background with the Yxy color 15.4093, 0.3865, 0.4980.

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

15.4093, 0.3865, 0.4980

Protanopia

15.4467, 0.4261, 0.4717

Deuteranopia

15.3403, 0.4495, 0.4428



Tritanopia

15.3245, 0.3042, 0.3107

Trichromacy



Original Color

15.4093, 0.3865, 0.4980

Protanomaly

15.3219, 0.4110, 0.4812

Deuteranomaly

15.1200, 0.4267, 0.4625

Tritanomaly

15.1506, 0.3402, 0.3850

Monochromacy



Original Color

15.4093, 0.3865, 0.4980

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.8620, 0.3462, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4093, 0.3865, 0.4980 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(102, 116, 30)` looks like.

```
.text, #text, p{  
    color:rgb(102, 116, 30)  
}
```

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(102, 116, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 116, 30) }
```

Border

The CSS property to change the border of an element to Yxy 15.4093, 0.3865, 0.4980 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(102, 116, 30) }
```

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

```
.border{ border-color:rgb(102, 116, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 116, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 116, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 116, 30);  
box-shadow:4px 4px 4px 4px rgb(102, 116,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4093, 0.3865, 0.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 116, 30) }
```

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

```
.background{ background-color: rgb(102,  
116, 30) }
```

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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