

Converting Colors

$Y_{xy}(15.4359, 0.3594, 0.5183)$

Have a look what the booklet for
Yxy(15.4359, 0.3594, 0.5183)
contains.

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Color

Yxy(15.4580, 0.3589, 0.5187)

Conversions

Conversions Part 1

Format	Color
Hex	55781E
RGB	85, 120, 30
RGB Percent	33%, 47%, 12%
CMY	0.6667, 0.5294, 0.8824
CMYK	0.29, 0.00, 0.75, 0.53
HSL	83°, 60%, 29%
HSV	83°, 75%, 47%
XYZ	10.6957, 15.4580, 3.6477
YIQ	99.2750, 8.0300, -35.4100

Conversions

Conversions Part 2

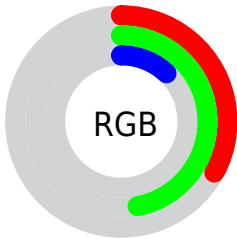
Format	Color
RYB	30, 120, 65
Decimal	5601310
CIELab	46.26, -26.95, 42.86
CIELCh	46, 50.630, 122.157
Yxy	15.4580, 0.3589, 0.5187
Android (android.graphics.Color)	4283791390 (0xFF55781E)
YUV	99.2750, -34.1526, -12.5192
Hunter-Lab	39.3167, -20.2449, 22.0209

Details

The Yxy color **15.4580, 0.3589, 0.5187** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.4091, 0.2190, 0.1237**, and the grayscale version is **12.6361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8845, 0.3537, 0.4716**, and **4.8638, 0.3429, 0.5660** is the 20% darker color. If you saturate the color by 10%, you get **15.1973, 0.3587, 0.5365**, and if you desaturate by 10%, it is **15.7579, 0.3569, 0.4969**.

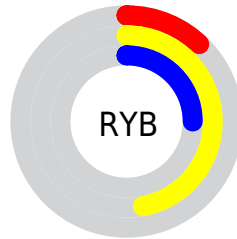
Distribution



Red (33%)

Green (47%)

Blue (12%)



Red (12%)

Yellow (47%)

Blue (25%)

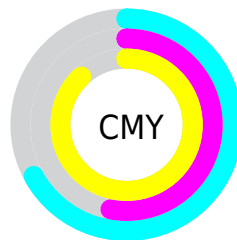


Cyan (29%)

Magenta (0%)

Yellow (75%)

Black (53%)



Cyan (67%)


Magenta (53%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4580, 0.3589, 0.5187 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 15.4580, 0.3589, 0.5187 by changing the saturation by 10% instead.


 15.4580, 0.3589,
0.5187


 15.4580, 0.3589,
0.5187

226.1219, 0.3385,
0.4039


 9.1414, 0.3592,
0.5539


 35.6547, 0.3537,
0.4718

 4.8336, 0.3623,
0.6162

 50.3036, 0.3509,
0.4557

 2.1499, 0.3324,
0.6676

 68.4987, 0.3482,
0.4427

 0.6925, 0.0005,
0.9995

 90.6245, 0.3458,
0.4321


 0.0000, 0.0000,
0.0000


 117.0653, 0.3437,
0.4233


 148.2056, 0.3418,


0.4158


 184.4296, 0.3401,
0.4094


 15.4580, 0.3589,
0.5187


 15.4580, 0.3589,
0.5187


 15.1973, 0.3587,
0.5365


 15.7579, 0.3569,
0.4969


 14.9696, 0.3564,
0.5499

 16.0975, 0.3529,
0.4722

 14.8631, 0.3551,
0.5562

 16.4800, 0.3473,
0.4456

 16.9074, 0.3405,
0.4183

 17.3816, 0.3329,
0.3913

■ 17.9046, 0.3249,
0.3653

■ 18.4779, 0.3168,
0.3407

■ 19.1033, 0.3087,
0.3178

■ 19.7823, 0.3010,
0.2968

Harmonies

Analogous

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



15.4580, 0.4449, 0.4782



15.4580, 0.3589, 0.5187



15.4580, 0.2661, 0.4841

Triad

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



15.4580, 0.3589, 0.5187



15.4580, 0.1495, 0.2075



15.4580, 0.4399, 0.2757

Complementary

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



15.4580, 0.3589, 0.5187



3.4091, 0.2190, 0.1237

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.



15.4580, 0.3364, 0.2228



15.4580, 0.3589, 0.5187



15.4580, 0.1785, 0.1839

Square

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



15.4580, 0.3589, 0.5187



15.4580, 0.1526, 0.2706



15.4580, 0.2412, 0.1905



15.4580, 0.5043, 0.3401

Rectangle

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



15.4580, 0.3589, 0.5187



15.4580, 0.2126, 0.4162



15.4580, 0.2412, 0.1905



15.4580, 0.4073, 0.2563

Sweetspot

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



15.4587, 0.3589, 0.5187



30.6947, 0.3318, 0.3875



7.8106, 0.4954, 0.3931



7.2122, 0.3341, 0.3955



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.



15.4587, 0.3589, 0.5187



26.4332, 0.3572, 0.5464



13.9894, 0.3095, 0.5518



4.5598, 0.3201, 0.3505



16.2045, 0.3549, 0.5564



76.7948, 0.3517, 0.5590

Inverse Universe

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



3.4091, 0.2190, 0.1237



4.0459, 0.1957, 0.0913



5.5679, 0.2998, 0.1633



3.9625, 0.3049, 0.3073



2.1230, 0.1859, 0.0798



9.6667, 0.1809, 0.0770

Previews

White Background



This preview shows how the Yxy color 15.4580, 0.3589, 0.5187 looks on a white background.

Color Contrast Check

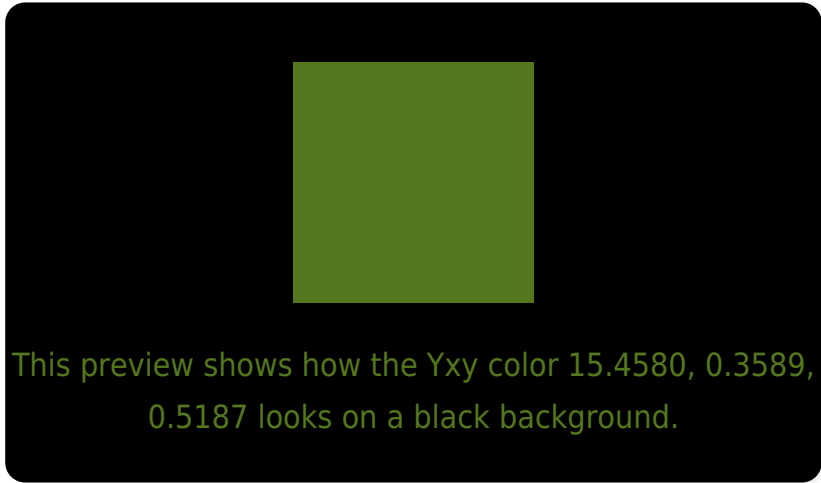
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

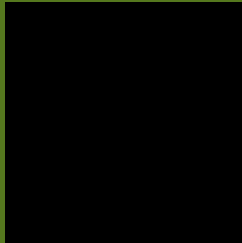
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4580, 0.3589, 0.5187

Background



This preview shows how black text looks on a background with the Yxy color 15.4580, 0.3589, 0.5187.



This preview shows how white text looks on a background with the Yxy color 15.4580, 0.3589, 0.5187.

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

15.4580, 0.3589, 0.5187

Protanopia

15.4419, 0.4268, 0.4727

Deuteranopia

15.3526, 0.4477, 0.4406



Tritanopia

15.4556, 0.2822, 0.3100

Trichromacy



Original Color

15.4580, 0.3589, 0.5187

Protanomaly

15.3697, 0.4003, 0.4909

Deuteranomaly

15.1189, 0.4144, 0.4698

Tritanomaly

15.2414, 0.3149, 0.3901

Monochromacy



Original Color

15.4580, 0.3589, 0.5187

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.3895, 0.3369, 0.4060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4580, 0.3589, 0.5187 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(85, 120, 30)` looks like.

```
.text, #text, p{  
    color:rgb(85, 120, 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(85, 120, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 120, 30) }
```

Border

The CSS property to change the border of an element to Yxy 15.4580, 0.3589, 0.5187 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(85, 120, 30) }
```

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

```
.border{ border-color:rgb(85, 120, 30) }
```

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

Here you see how a box with a 4 pixel rgb(85, 120, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 120, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 120, 30);  
box-shadow:4px 4px 4px 4px rgb(85, 120,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4580, 0.3589, 0.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 120, 30) }
```

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

```
.background{ background-color: rgb(85, 120,  
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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