

Converting Colors

$Y_{xy}(11.3933, 0.3876, 0.4866)$

Have a look what the booklet for
Yxy(11.3933, 0.3876, 0.4866)
contains.

Yxy(11.4322, 0.3876, 0.4866)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.4322, 0.3876, 0.4866)

Conversions

Conversions Part 1

Format	Color
Hex	5B641E
RGB	91, 100, 30
RGB Percent	36%, 39%, 12%
CMY	0.6431, 0.6078, 0.8823
CMYK	0.09, 0.00, 0.70, 0.61
HSL	68°, 54%, 25%
HSV	68°, 70%, 39%
XYZ	9.1063, 11.4322, 2.9556
YIQ	89.3290, 17.1060, -23.6780

Conversions

Conversions Part 2

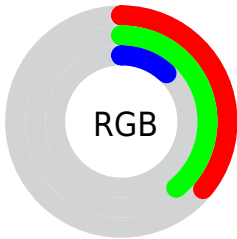
Format	Color
R_{YB}	30, 100, 39
Decimal	5989406
CIE _{Lab}	40.30, -13.88, 36.96
CIE _{LCh}	40, 39.480, 110.580
Yxy	11.4322, 0.3876, 0.4866
Android (android.graphics.Color)	4284179486 (0xFF5B641E)
YUV	89.3290, -29.2492, 1.4655
Hunter-Lab	33.8115, -11.0957, 18.4854

Details

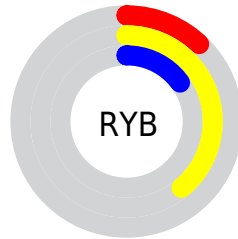
The Yxy color **11.4322, 0.3876, 0.4866** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.2807, 0.1980, 0.1254**, and the grayscale version is **10.1308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5229, 0.3728, 0.4474**, and **3.0598, 0.3913, 0.5275** is the 20% darker color. If you saturate the color by 10%, you get **11.3247, 0.3930, 0.5016**, and if you desaturate by 10%, it is **11.5581, 0.3801, 0.4682**.

Distribution



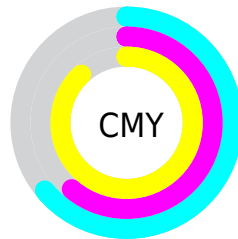
- Red (36%)
- Green (39%)
- Blue (12%)



- Red (12%)
- Yellow (39%)
- Blue (15%)



- Cyan (9%)
- Magenta (0%)
- Yellow (70%)
- Black (61%)





- Cyan (64%)
- Magenta (61%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.4322, 0.3876, 0.4866 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 11.4322, 0.3876, 0.4866 by changing the saturation by 10% instead.


 11.4322, 0.3876,
0.4866


 11.4322, 0.3876,
0.4866


 200.6092, 0.3465,
0.3897


 6.3583, 0.3958,
0.5170


 28.4567, 0.3728,
0.4464


 3.0642, 0.4184,
0.5816

 41.1760, 0.3671,
0.4328


 1.1653, 0.3900,
0.6100

 57.2127, 0.3622,
0.4220

 0.0331, 0.0000,
1.0000

 76.9510, 0.3580,
0.4131

 0.0000, 0.0000,
0.0000

 100.7755, 0.3545,
0.4057

 129.0704, 0.3515,

0.3996

162.2201, 0.3488,
0.3943

11.4322, 0.3876,
0.4866

11.4322, 0.3876,
0.4866

11.3247, 0.3930,
0.5016

11.5581, 0.3801,
0.4682

11.2324, 0.3961,
0.5127

11.7022, 0.3708,
0.4471

11.1479, 0.3981,
0.5221

11.8664, 0.3602,
0.4241

11.1479, 0.3981,
0.5221

12.0516, 0.3487,
0.4001

12.2591, 0.3367,
0.3758

■ 12.4897, 0.3246,
0.3520

■ 12.7444, 0.3127,
0.3290

■ 13.0240, 0.3013,
0.3072

■ 13.3293, 0.2904,
0.2869

Harmonies

Analogous

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



11.4322, 0.4546, 0.4421



11.4322, 0.3876, 0.4866



11.4322, 0.3055, 0.4809

Triad

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



11.4322, 0.3876, 0.4866



11.4322, 0.1649, 0.2406



11.4322, 0.3902, 0.2627

Complementary

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



11.4322, 0.3876, 0.4866



2.2807, 0.1980, 0.1254

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.



11.4322, 0.2996, 0.2210



11.4322, 0.3876, 0.4866



11.4322, 0.1799, 0.2052

Square

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



11.4322, 0.3876, 0.4866



11.4322, 0.1807, 0.3120



11.4322, 0.2251, 0.2004



11.4322, 0.4632, 0.3185

Rectangle

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



11.4322, 0.3876, 0.4866



11.4322, 0.2528, 0.4384



11.4322, 0.2251, 0.2004



11.4322, 0.3600, 0.2468

Sweetspot

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



11.4327, 0.3876, 0.4866



21.4293, 0.3386, 0.3797



4.2007, 0.5113, 0.3471



5.2552, 0.3409, 0.3844



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.4327, 0.3876, 0.4866



19.7455, 0.3953, 0.5092



10.0735, 0.3339, 0.5199



3.2510, 0.3233, 0.3495



14.9138, 0.3978, 0.5223



77.5182, 0.3965, 0.5234

Inverse Universe

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



2.2807, 0.1980, 0.1254



2.4971, 0.1729, 0.0866



3.2724, 0.2607, 0.1544



2.7790, 0.3016, 0.3079



1.3315, 0.1571, 0.0639



6.7193, 0.1541, 0.0622

Previews

White Background



This preview shows how the Yxy color 11.4322, 0.3876, 0.4866 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 11.4322, 0.3876, 0.4866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

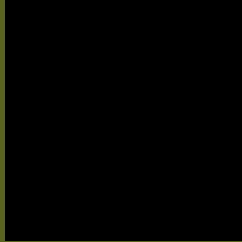
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.4322, 0.3876, 0.4866

Background



This preview shows how black text looks on a background with the Yxy color 11.4322, 0.3876, 0.4866.



This preview shows how white text looks on a background with the Yxy color 11.4322, 0.3876, 0.4866.

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

11.4322, 0.3876, 0.4866

Protanopia

11.3373, 0.4203, 0.4645

Deuteranopia

11.3498, 0.4444, 0.4366



Tritanopia

11.3650, 0.3090, 0.3107

Trichromacy



Original Color

11.4322, 0.3876, 0.4866

Protanomaly

11.4048, 0.4091, 0.4730

Deuteranomaly

11.3664, 0.4229, 0.4542

Tritanomaly

11.3066, 0.3416, 0.3797

Monochromacy



Original Color

11.4322, 0.3876, 0.4866

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.4197, 0.3450, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.4322, 0.3876, 0.4866 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(91, 100, 30)` looks like.

```
.text, #text, p{  
    color:rgb(91, 100, 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(91, 100, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 100, 30) }
```

Border

The CSS property to change the border of an element to Yxy 11.4322, 0.3876, 0.4866 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(91, 100, 30) }
```

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

```
.border{ border-color:rgb(91, 100, 30) }
```

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

Here you see how a box with a 4 pixel rgb(91, 100, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 100, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 100, 30);  
box-shadow:4px 4px 4px 4px rgb(91, 100,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 11.4322, 0.3876, 0.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 100, 30) }
```

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

```
.background{ background-color: rgb(91, 100,  
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](#).

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