

Converting Colors

$Y_{xy}(13.3684, 0.3906, 0.5188)$

Have a look what the booklet for
Yxy(13.3684, 0.3906, 0.5188)
contains.

Yxy(13.2863, 0.3914, 0.5181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2863, 0.3914, 0.5181)

Conversions

Conversions Part 1

Format	Color
Hex	5D6D0A
RGB	93, 109, 10
RGB Percent	36%, 43%, 4%
CMY	0.6353, 0.5725, 0.9610
CMYK	0.15, 0.00, 0.91, 0.57
HSL	70°, 83%, 23%
HSV	70°, 91%, 43%
XYZ	10.0372, 13.2863, 2.3208
YIQ	92.9300, 22.2430, -34.1810

Conversions

Conversions Part 2

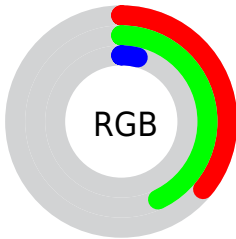
Format	Color
RYB	10, 109, 26
Decimal	6122762
CIELab	43.19, -18.80, 46.60
CIELCh	43, 50.251, 111.971
Yxy	13.2863, 0.3914, 0.5181
Android (android.graphics.Color)	4284312842 (0xFF5D6D0A)
YUV	92.9300, -40.8845, 0.0614
Hunter-Lab	36.4504, -14.6354, 21.7403

Details

The Yxy color **13.2863, 0.3914, 0.5181** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5390, 0.1695, 0.0792**, and the grayscale version is **11.0212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6460, 0.3794, 0.4725**, and **3.8511, 0.3744, 0.5410** is the 20% darker color. If you saturate the color by 10%, you get **13.1822, 0.3924, 0.5266**, and if you desaturate by 10%, it is **13.4116, 0.3892, 0.5069**.

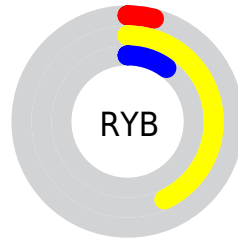
Distribution



Red (36%)

Green (43%)

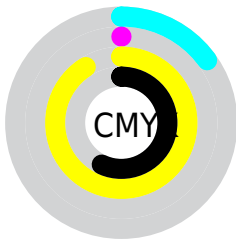
Blue (4%)



Red (4%)

Yellow (43%)

Blue (10%)

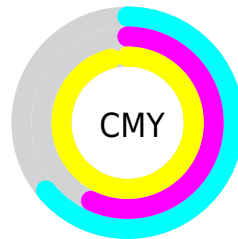


Cyan (15%)

Magenta (0%)

Yellow (91%)

Black (57%)



Cyan (64%)


Magenta (57%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2863, 0.3914, 0.5181 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 13.2863, 0.3914, 0.5181 by changing the saturation by 10% instead.


 13.2863, 0.3914,
0.5181


 13.2863, 0.3914,
0.5181

212.7445, 0.3524,
0.4053

 7.6260, 0.3960,
0.5504


 31.8172, 0.3795,
0.4732


 3.8566, 0.4002,
0.5998

 45.4565, 0.3740,
0.4574

 1.5937, 0.3690,
0.6310

 62.5244, 0.3692,
0.4445

 0.3533, 0.0000,
1.0000


 83.4051, 0.3649,
0.4338

 0.0000, 0.0000,
0.0000


 108.4830, 0.3612,
0.4249


 138.1427, 0.3579,


0.4174


 172.7683, 0.3550,
0.4109

 13.2863, 0.3914,
0.5181


 13.2863, 0.3914,
0.5181


 13.1822, 0.3924,
0.5266

 13.4116, 0.3892,
0.5069

 13.5561, 0.3847,
0.4918

 13.7222, 0.3780,
0.4730

 13.9119, 0.3694,
0.4515

 14.1267, 0.3594,
0.4280

■ 14.3679, 0.3484,
0.4034

■ 14.6370, 0.3369,
0.3787

■ 14.9351, 0.3252,
0.3544

■ 15.2634, 0.3137,
0.3310

Harmonies

Analogous

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



13.2863, 0.4735, 0.4592



13.2863, 0.3914, 0.5181



13.2863, 0.2953, 0.5151

Triad

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



13.2863, 0.3914, 0.5181



13.2863, 0.1415, 0.2195



13.2863, 0.4105, 0.2531

Complementary

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



13.2863, 0.3914, 0.5181



1.5390, 0.1695, 0.0792

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.



13.2863, 0.3005, 0.2051



13.2863, 0.3914, 0.5181



13.2863, 0.1602, 0.1832

Square

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



13.2863, 0.3914, 0.5181



13.2863, 0.1560, 0.3005



13.2863, 0.2123, 0.1805



13.2863, 0.4970, 0.3161

Rectangle

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



13.2863, 0.3914, 0.5181



13.2863, 0.2348, 0.4601



13.2863, 0.2123, 0.1805



13.2863, 0.3737, 0.2349

Sweetspot

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



13.2869, 0.3914, 0.5181



25.8715, 0.3449, 0.3957



3.9600, 0.5902, 0.3485



5.9940, 0.3476, 0.4017



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.2869, 0.3914, 0.5181



23.5585, 0.3916, 0.5272



11.5090, 0.3253, 0.5681



3.5600, 0.3230, 0.3497



15.4086, 0.3922, 0.5268



78.1980, 0.3906, 0.5281

Inverse Universe

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



1.5390, 0.1695, 0.0792



2.1601, 0.1581, 0.0645



2.7891, 0.2463, 0.1202



3.0465, 0.3020, 0.3077



1.4294, 0.1594, 0.0652



7.0226, 0.1559, 0.0633

Previews

White Background



This preview shows how the Yxy color 13.2863, 0.3914, 0.5181 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 13.2863, 0.3914, 0.5181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

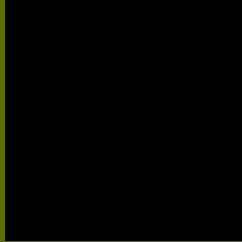
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2863, 0.3914, 0.5181

Background



This preview shows how black text looks on a background with the Yxy color 13.2863, 0.3914, 0.5181.



This preview shows how white text looks on a background with the Yxy color 13.2863, 0.3914, 0.5181.

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

13.2863, 0.3914, 0.5181

Protanopia

13.1629, 0.4370, 0.4850

Deuteranopia

13.1927, 0.4581, 0.4540



Tritanopia

13.1782, 0.3022, 0.3116

Trichromacy



Original Color

13.2863, 0.3914, 0.5181

Protanomaly

13.2465, 0.4194, 0.4979

Deuteranomaly

12.9927, 0.4342, 0.4771

Tritanomaly

12.9783, 0.3455, 0.4007

Monochromacy



Original Color

13.2863, 0.3914, 0.5181

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6097, 0.3538, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2863, 0.3914, 0.5181 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(93, 109, 10)` looks like.

```
.text, #text, p{  
    color:rgb(93, 109, 10)  
}
```

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(93, 109, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 109, 10) }
```

Border

The CSS property to change the border of an element to Yxy 13.2863, 0.3914, 0.5181 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(93, 109, 10) }
```

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

```
.border{ border-color:rgb(93, 109, 10) }
```

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

Here you see how a box with a 4 pixel rgb(93, 109, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 109, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 109, 10);  
box-shadow:4px 4px 4px 4px rgb(93, 109,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2863, 0.3914, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 109, 10) }
```

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

```
.background{ background-color: rgb(93, 109,  
10) }
```

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