

Converting Colors

$Y_{xy}(13.8070, 0.3693, 0.5026)$

Have a look what the booklet for
Yxy(13.8070, 0.3693, 0.5026)
contains.

Yxy(13.8165, 0.3701, 0.5026)	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(13.8165, 0.3701, 0.5026)

Conversions

Conversions Part 1

Format	Color
Hex	597020
RGB	89, 112, 32
RGB Percent	35%, 44%, 13%
CMY	0.6510, 0.5608, 0.8744
CMYK	0.21, 0.00, 0.71, 0.56
HSL	77°, 56%, 28%
HSV	77°, 71%, 44%
XYZ	10.1741, 13.8165, 3.4995
YIQ	96.0030, 11.9720, -29.7560

Conversions

Conversions Part 2

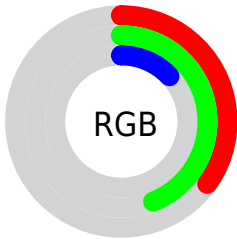
Format	Color
RYB	32, 112, 55
Decimal	5861408
CIELab	43.97, -21.08, 39.81
CIELCh	44, 45.043, 117.906
Yxy	13.8165, 0.3701, 0.5026
Android (android.graphics.Color)	4284051488 (0xFF597020)
YUV	96.0030, -31.5535, -6.1416
Hunter-Lab	37.1706, -16.1907, 20.4374

Details

The Yxy color **13.8165, 0.3701, 0.5026** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0187, 0.2120, 0.1274**, and the grayscale version is **11.7745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8077, 0.3610, 0.4601**, and **4.1382, 0.3644, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **13.6102, 0.3724, 0.5201**, and if you desaturate by 10%, it is **14.0518, 0.3657, 0.4816**.

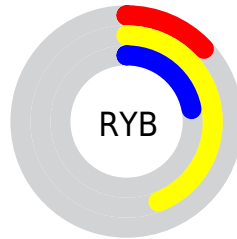
Distribution



Red (35%)

Green (44%)

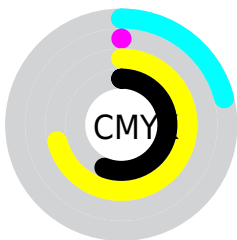
Blue (13%)



Red (13%)

Yellow (44%)

Blue (22%)

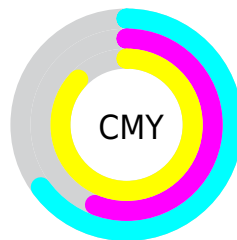


Cyan (21%)

Magenta (0%)

Yellow (71%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8165, 0.3701, 0.5026 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 13.8165, 0.3701, 0.5026 by changing the saturation by 10% instead.

13.8165, 0.3701,
0.5026

13.8165, 0.3701,
0.5026

216.0863, 0.3415,
0.3968

7.9931, 0.3737,
0.5355

32.7631, 0.3611,
0.4591

4.0906, 0.3851,
0.5993

46.6551, 0.3571,
0.4442

1.7244, 0.3577,
0.6423

64.0055, 0.3535,
0.4324

0.4393, 0.0000,
1.0000

85.1986, 0.3504,
0.4226

0.0000, 0.0000,
0.0000

110.6188, 0.3478,
0.4145

140.6506, 0.3454,

0.4077

175.6783, 0.3433,
0.4019

13.8165, 0.3701,
0.5026

13.8165, 0.3701,
0.5026

13.6102, 0.3724,
0.5201

14.0518, 0.3657,
0.4816

13.4286, 0.3723,
0.5334

14.3162, 0.3593,
0.4579

13.2847, 0.3714,
0.5433

14.6120, 0.3516,
0.4326

14.9409, 0.3427,
0.4066

15.3044, 0.3333,
0.3808

■ 15.7038, 0.3237,
0.3559

■ 16.1405, 0.3140,
0.3322

■ 16.6156, 0.3047,
0.3101

■ 17.1303, 0.2957,
0.2897

Harmonies

Analogous

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



13.8165, 0.4475, 0.4619



13.8165, 0.3701, 0.5026



13.8165, 0.2826, 0.4801

Triad

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



13.8165, 0.3701, 0.5026



13.8165, 0.1577, 0.2220



13.8165, 0.4181, 0.2717

Complementary

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



13.8165, 0.3701, 0.5026



3.0187, 0.2120, 0.1274

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.



13.8165, 0.3214, 0.2237



13.8165, 0.3701, 0.5026



13.8165, 0.1810, 0.1941

Square

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



13.8165, 0.3701, 0.5026



13.8165, 0.1656, 0.2877



13.8165, 0.2360, 0.1963



13.8165, 0.4853, 0.3322

Rectangle

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



13.8165, 0.3701, 0.5026



13.8165, 0.2300, 0.4238



13.8165, 0.2360, 0.1963



13.8165, 0.3869, 0.2539

Sweetspot

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



13.8171, 0.3701, 0.5026



26.8733, 0.3335, 0.3812



6.2529, 0.4971, 0.3747



6.4228, 0.3355, 0.3866



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.8171, 0.3701, 0.5026



23.6843, 0.3726, 0.5297



12.3560, 0.3183, 0.5357



3.8704, 0.3213, 0.3501



15.3446, 0.3711, 0.5435



75.9833, 0.3684, 0.5457

Inverse Universe

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



3.0187, 0.2120, 0.1274



3.4182, 0.1869, 0.0907



4.6206, 0.2848, 0.1619



3.3427, 0.3036, 0.3076



1.7011, 0.1720, 0.0721



8.0842, 0.1672, 0.0695

Previews

White Background



This preview shows how the Yxy color 13.8165, 0.3701, 0.5026 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 13.8165, 0.3701, 0.5026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

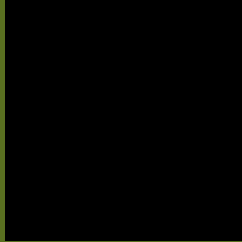
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8165, 0.3701, 0.5026

Background



This preview shows how black text looks on a background with the Yxy color 13.8165, 0.3701, 0.5026.



This preview shows how white text looks on a background with the Yxy color 13.8165, 0.3701, 0.5026.

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

13.8165, 0.3701, 0.5026

Protanopia

13.7074, 0.4225, 0.4676

Deuteranopia

13.7244, 0.4433, 0.4393



Tritanopia

13.8921, 0.2932, 0.3116

Trichromacy



Original Color

13.8165, 0.3701, 0.5026

Protanomaly

13.6785, 0.4023, 0.4806

Deuteranomaly

13.5994, 0.4152, 0.4631

Tritanomaly

13.7981, 0.3253, 0.3842

Monochromacy



Original Color

13.8165, 0.3701, 0.5026

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.3109, 0.3387, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8165, 0.3701, 0.5026 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(89, 112, 32)` looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 32)  
}
```

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(89, 112, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.8165, 0.3701, 0.5026 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(89, 112, 32) }
```

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

```
.border{ border-color:rgb(89, 112, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 32);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8165, 0.3701, 0.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 32) }
```

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

```
.background{ background-color: rgb(89, 112,  
32) }
```

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