

Converting Colors

$Y_{xy}(13.7419, 0.3797, 0.5270)$

Have a look what the booklet for
Yxy(13.7419, 0.3797, 0.5270)
contains.

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Color

Yxy(13.6872, 0.3799, 0.5263)

Conversions

Conversions Part 1

Format	Color
Hex	58700B
RGB	88, 112, 11
RGB Percent	35%, 44%, 4%
CMY	0.6549, 0.5608, 0.9566
CMYK	0.21, 0.00, 0.90, 0.56
HSL	74°, 82%, 24%
HSV	74°, 90%, 44%
XYZ	9.8799, 13.6872, 2.4394
YIQ	93.3100, 18.1170, -36.4990

Conversions

Conversions Part 2

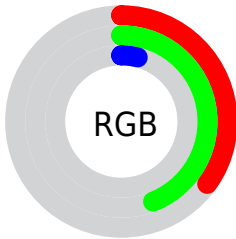
Format	Color
R_{YB}	11, 112, 35
Decimal	5795851
CIE Lab	43.78, -22.58, 46.69
CIE LCh	44, 51.864, 115.813
Yxy	13.6872, 0.3799, 0.5263
Android (android.graphics.Color)	4283985931 (0xFF58700B)
YUV	93.3100, -40.5788, -4.6569
Hunter-Lab	36.9962, -17.0749, 21.9880

Details

The Yxy color **13.6872, 0.3799, 0.5263** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7688, 0.1782, 0.0843**, and the grayscale version is **11.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6189, 0.3708, 0.4785**, and **4.0789, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **13.5375, 0.3796, 0.5368**, and if you desaturate by 10%, it is **13.8548, 0.3788, 0.5134**.

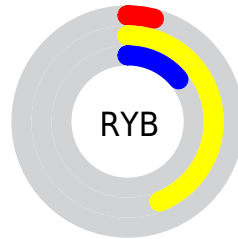
Distribution



Red (35%)

Green (44%)

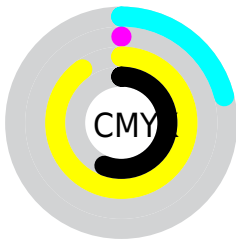
Blue (4%)



Red (4%)

Yellow (44%)

Blue (14%)

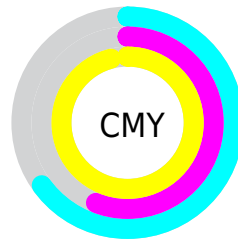


Cyan (21%)

Magenta (0%)

Yellow (90%)

Black (56%)



Cyan (65%)


Magenta (56%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6872, 0.3799, 0.5263 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 13.6872, 0.3799, 0.5263 by changing the saturation by 10% instead.


 13.6872, 0.3799,
0.5263


 13.6872, 0.3799,
0.5263


215.2761, 0.3482,
0.4077


 7.9034, 0.3818,
0.5608


 32.5330, 0.3711,
0.4787


 4.0332, 0.3836,
0.6164

 46.3638, 0.3666,
0.4620


 1.6922, 0.3472,
0.6528

 63.6457, 0.3626,
0.4485

 0.4186, 0.0000,
1.0000

 84.7631, 0.3590,
0.4374

 0.0000, 0.0000,
0.0000

 110.1005, 0.3558,
0.4281


 140.0422, 0.3530,


0.4203


 174.9726, 0.3505,
0.4135


 13.6872, 0.3799,
0.5263


 13.6872, 0.3799,
0.5263

 13.5375, 0.3796,
0.5368

 13.8548, 0.3788,
0.5134

 14.0454, 0.3755,
0.4964

 14.2618, 0.3699,
0.4760

 14.5059, 0.3626,
0.4529

 14.7795, 0.3538,
0.4281

■ 15.0841, 0.3440,
0.4027

■ 15.4212, 0.3337,
0.3773

■ 15.7920, 0.3232,
0.3527

■ 16.1978, 0.3128,
0.3293

Harmonies

Analogous

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



13.6872, 0.4667, 0.4700



13.6872, 0.3799, 0.5263



13.6872, 0.2819, 0.5123

Triad

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



13.6872, 0.3799, 0.5263



13.6872, 0.1394, 0.2103



13.6872, 0.4264, 0.2592

Complementary

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



13.6872, 0.3799, 0.5263



1.7688, 0.1782, 0.0843

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.



13.6872, 0.3139, 0.2080



13.6872, 0.3799, 0.5263



13.6872, 0.1624, 0.1786

Square

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



13.6872, 0.3799, 0.5263



13.6872, 0.1493, 0.2862



13.6872, 0.2198, 0.1798



13.6872, 0.5078, 0.3242

Rectangle

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



13.6872, 0.3799, 0.5263



13.6872, 0.2223, 0.4486



13.6872, 0.2198, 0.1798



13.6872, 0.3895, 0.2400

Sweetspot

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



13.6878, 0.3799, 0.5263



26.6368, 0.3415, 0.3965



4.6485, 0.5724, 0.3629



6.3643, 0.3441, 0.4030



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.



13.6878, 0.3799, 0.5263



23.7245, 0.3786, 0.5376



12.0244, 0.3173, 0.5735



3.8782, 0.3220, 0.3500



15.6395, 0.3794, 0.5370



77.4979, 0.3771, 0.5388

Inverse Universe

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



1.7688, 0.1782, 0.0843



2.4046, 0.1647, 0.0681



3.3458, 0.2639, 0.1299



3.3352, 0.3029, 0.3075



1.6062, 0.1662, 0.0689



7.6606, 0.1619, 0.0666

Previews

White Background



This preview shows how the Yxy color 13.6872, 0.3799, 0.5263 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 13.6872, 0.3799, 0.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

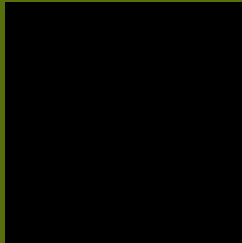
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6872, 0.3799, 0.5263

Background



This preview shows how black text looks on a background with the Yxy color 13.6872, 0.3799, 0.5263.



This preview shows how white text looks on a background with the Yxy color 13.6872, 0.3799, 0.5263.

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

13.6872, 0.3799, 0.5263

Protanopia

13.6979, 0.4368, 0.4854

Deuteranopia

13.5431, 0.4580, 0.4519



Tritanopia

13.6672, 0.2944, 0.3116

Trichromacy



Original Color

13.6872, 0.3799, 0.5263

Protanomaly

13.5971, 0.4149, 0.5017

Deuteranomaly

13.3924, 0.4300, 0.4783

Tritanomaly

13.4031, 0.3356, 0.4037

Monochromacy



Original Color

13.6872, 0.3799, 0.5263

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6974, 0.3500, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6872, 0.3799, 0.5263 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(88, 112, 11)` looks like.

```
.text, #text, p{  
    color:rgb(88, 112, 11)  
}
```

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(88, 112, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 112, 11) }
```

Border

The CSS property to change the border of an element to Yxy 13.6872, 0.3799, 0.5263 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(88, 112, 11) }
```

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

```
.border{ border-color:rgb(88, 112, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 112, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 112, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 112, 11);  
box-shadow:4px 4px 4px 4px rgb(88, 112,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6872, 0.3799, 0.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 112, 11) }
```

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

```
.background{ background-color: rgb(88, 112,  
11) }
```

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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