

Converting Colors

$Y_{xy}(13.6890, 0.3670, 0.4893)$

Have a look what the booklet for
Yxy(13.6890, 0.3670, 0.4893)
contains.

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Color

Yxy(13.6890, 0.3670, 0.4893)

Conversions

Conversions Part 1

Format	Color
Hex	5A6F27
RGB	90, 111, 39
RGB Percent	35%, 44%, 15%
CMY	0.6470, 0.5647, 0.8471
CMYK	0.19, 0.00, 0.65, 0.56
HSL	77°, 48%, 29%
HSV	77°, 65%, 44%
XYZ	10.2674, 13.6890, 4.0203
YIQ	96.5130, 10.5960, -26.8440

Conversions

Conversions Part 2

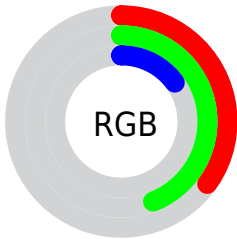
Format	Color
RYB	39, 111, 60
Decimal	5926695
CIELab	43.78, -19.56, 36.48
CIElCh	44, 41.390, 118.201
Yxy	13.6890, 0.3670, 0.4893
Android (android.graphics.Color)	4284116775 (0xFF5A6F27)
YUV	96.5130, -28.3539, -5.7119
Hunter-Lab	36.9986, -15.2123, 19.4566

Details

The Yxy color **13.6890, 0.3670, 0.4893** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.5592, 0.2232, 0.1455**, and the grayscale version is **11.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6497, 0.3572, 0.4483**, and **4.0473, 0.3684, 0.5457** is the 20% darker color. If you saturate the color by 10%, you get **13.4677, 0.3707, 0.5093**, and if you desaturate by 10%, it is **13.9402, 0.3613, 0.4664**.

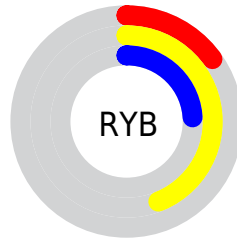
Distribution



 Red (35%)

 Green (44%)

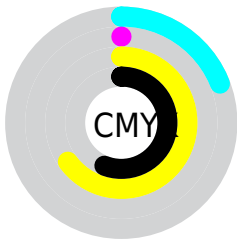
 Blue (15%)




 Red (15%)

 Yellow (44%)

 Blue (24%)

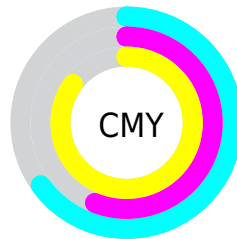


 Cyan (19%)

 Magenta (0%)

 Yellow (65%)

 Black (56%)



 Cyan (65%)


 Magenta (56%)


 Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6890, 0.3670, 0.4893 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 13.6890, 0.3670, 0.4893 by changing the saturation by 10% instead.


 13.6890, 0.3670,
0.4893


 13.6890, 0.3670,
0.4893


215.2874, 0.3390,
0.3912


 7.9047, 0.3715,
0.5207


 32.5362, 0.3577,
0.4486


 4.0340, 0.3800,
0.5749

 46.3678, 0.3537,
0.4348


 1.6926, 0.3666,
0.6334

 63.6507, 0.3504,
0.4239

 0.4189, 0.0000,
1.0000

 84.7692, 0.3474,
0.4149

 0.0000, 0.0000,
0.0000

 110.1077, 0.3449,
0.4075

 140.0507, 0.3427,

0.4012

174.9824, 0.3408,
0.3958

■ 13.6890, 0.3670,
0.4893

■ 13.6890, 0.3670,
0.4893

■ 13.4677, 0.3707,
0.5093

■ 13.9402, 0.3613,
0.4664

■ 13.2723, 0.3721,
0.5254

■ 14.2211, 0.3541,
0.4414

■ 13.1000, 0.3714,
0.5377

■ 14.5341, 0.3456,
0.4156

■ 13.0158, 0.3709,
0.5437

■ 14.8807, 0.3365,
0.3896

■ 15.2621, 0.3269,
0.3644

■ 15.6798, 0.3173,
0.3402

■ 16.1349, 0.3079,
0.3176

■ 16.6286, 0.2989,
0.2966

■ 17.1620, 0.2903,
0.2773

Harmonies

Analogous

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



13.6890, 0.4389, 0.4549



13.6890, 0.3670, 0.4893



13.6890, 0.2852, 0.4661

Triad

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



13.6890, 0.3670, 0.4893



13.6890, 0.1673, 0.2296



13.6890, 0.4108, 0.2765

Complementary

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



13.6890, 0.3670, 0.4893



3.5592, 0.2232, 0.1455

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.



13.6890, 0.3221, 0.2308



13.6890, 0.3670, 0.4893



13.6890, 0.1898, 0.2027

Square

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



13.6890, 0.3670, 0.4893



13.6890, 0.1750, 0.2911



13.6890, 0.2423, 0.2047



13.6890, 0.4724, 0.3341

Rectangle

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



13.6890, 0.3670, 0.4893



13.6890, 0.2360, 0.4148



13.6890, 0.2423, 0.2047



13.6890, 0.3823, 0.2596

Sweetspot

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



13.6896, 0.3670, 0.4893



27.0031, 0.3314, 0.3760



6.6952, 0.4735, 0.3727



6.4506, 0.3335, 0.3817



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.



13.6896, 0.3670, 0.4893



23.9259, 0.3717, 0.5183



12.3166, 0.3193, 0.5171



3.8698, 0.3213, 0.3501



15.3236, 0.3705, 0.5440



75.8756, 0.3678, 0.5462

Inverse Universe

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



3.5592, 0.2232, 0.1455



4.2120, 0.1990, 0.1070



5.0531, 0.2883, 0.1743



3.3432, 0.3037, 0.3076



1.7088, 0.1724, 0.0724



8.1196, 0.1676, 0.0697

Previews

White Background



This preview shows how the Yxy color 13.6890, 0.3670, 0.4893 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 13.6890, 0.3670, 0.4893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

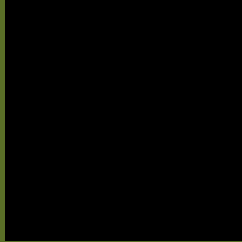
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6890, 0.3670, 0.4893

Background



This preview shows how black text looks on a background with the Yxy color 13.6890, 0.3670, 0.4893.



This preview shows how white text looks on a background with the Yxy color 13.6890, 0.3670, 0.4893.

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

13.6890, 0.3670, 0.4893

Protanopia

13.4789, 0.4163, 0.4579

Deuteranopia

13.4990, 0.4369, 0.4303



Tritanopia

13.6672, 0.2944, 0.3116

Trichromacy



Original Color

13.6890, 0.3670, 0.4893

Protanomaly

13.5122, 0.3975, 0.4692

Deuteranomaly

13.4451, 0.4097, 0.4513

Tritanomaly

13.6042, 0.3242, 0.3797

Monochromacy



Original Color

13.6890, 0.3670, 0.4893

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.4042, 0.3362, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6890, 0.3670, 0.4893 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(90, 111, 39)` looks like.

```
.text, #text, p{  
    color:rgb(90, 111, 39)  
}
```

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(90, 111, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 111, 39) }
```

Border

The CSS property to change the border of an element to Yxy 13.6890, 0.3670, 0.4893 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(90, 111, 39) }
```

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

```
.border{ border-color:rgb(90, 111, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 111, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 111, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 111, 39);  
box-shadow:4px 4px 4px 4px rgb(90, 111,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6890, 0.3670, 0.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 111, 39) }
```

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

```
.background{ background-color: rgb(90, 111,  
39) }
```

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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