

Converting Colors

$Y_{xy}(13.8790, 0.4437, 0.4859)$

Have a look what the booklet for
Yxy(13.8790, 0.4437, 0.4859)
contains.

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Color

Yxy(13.8937, 0.4439, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	786800
RGB	120, 104, 0
RGB Percent	47%, 41%, 0%
CMY	0.5294, 0.5921, 1.0000
CMYK	0.00, 0.13, 1.00, 0.53
HSL	52°, 100%, 24%
HSV	52°, 100%, 47%
XYZ	12.6954, 13.8937, 2.0106
YIQ	96.9280, 42.9200, -28.9520

Conversions

Conversions Part 2

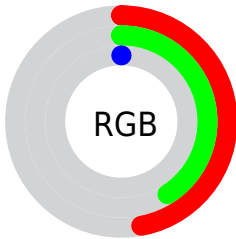
Format	Color
R_{YB}	18, 120, 0
Decimal	7890944
CIE _{Lab}	44.08, -3.38, 50.72
CIE _{LCh}	44, 50.836, 93.811
Yxy	13.8937, 0.4439, 0.4858
Android (android.graphics.Color)	4286081024 (0xFF786800)
YUV	96.9280, -47.7855, 20.2341
Hunter-Lab	37.2743, -4.4340, 22.8939

Details

The Yxy color **13.8937, 0.4439, 0.4858** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7263, 0.1540, 0.0744**, and the grayscale version is **12.0476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9990, 0.4200, 0.4553**, and **4.1195, 0.4448, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **13.8945, 0.4439, 0.4858**, and if you desaturate by 10%, it is **14.2461, 0.4368, 0.4815**.

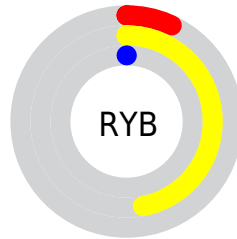
Distribution



Red (47%)

Green (41%)

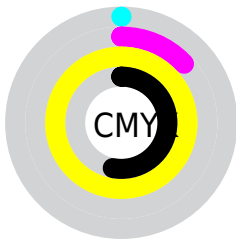
Blue (0%)



Red (7%)

Yellow (47%)

Blue (0%)

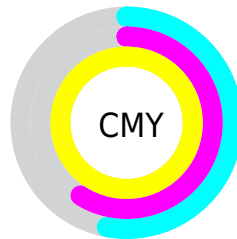


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (59%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8937, 0.4439, 0.4858 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 13.8937, 0.4439, 0.4858 by changing the saturation by 10% instead.


 13.8937, 0.4439,
0.4858


 13.8937, 0.4439,
0.4858


 216.5685, 0.3740,
0.3998


 8.0468, 0.4587,
0.5060


 32.9003, 0.4198,
0.4549


 4.1249, 0.4725,
0.5275

 46.8288, 0.4100,
0.4428


 1.7437, 0.4675,
0.5325

 64.2198, 0.4016,
0.4326

 0.4517, 0.4343,
0.5657


 85.4579, 0.3944,
0.4240

 0.0000, 0.0000,
0.0000

 110.9275, 0.3882,
0.4166

 141.0128, 0.3829,

0.4102


 176.0984, 0.3782,
0.4046


 13.8937, 0.4439,
0.4858


 13.8937, 0.4439,
0.4858


 13.8945, 0.4439,
0.4858

 14.2461, 0.4368,
0.4815

 14.6166, 0.4283,
0.4746

 15.0154, 0.4172,
0.4637

 15.4449, 0.4042,
0.4491

 15.9075, 0.3895,
0.4317

■ 16.4052, 0.3740,
0.4121

■ 16.9397, 0.3581,
0.3914

■ 17.5128, 0.3424,
0.3703

■ 18.1260, 0.3272,
0.3493

Harmonies

Analogous

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



13.8937, 0.5060, 0.4149



13.8937, 0.4439, 0.4858



13.8937, 0.3540, 0.5269

Triad

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



13.8937, 0.4439, 0.4858



13.8937, 0.1465, 0.2629



13.8937, 0.3431, 0.2219

Complementary

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



13.8937, 0.4439, 0.4858



1.7263, 0.1540, 0.0744

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.



13.8937, 0.2432, 0.1874



13.8937, 0.4439, 0.4858



13.8937, 0.1455, 0.2009

Square

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



13.8937, 0.4439, 0.4858



13.8937, 0.1835, 0.3713



13.8937, 0.1768, 0.1790



13.8937, 0.4501, 0.2769

Rectangle

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



13.8937, 0.4439, 0.4858



13.8937, 0.2895, 0.5111



13.8937, 0.1768, 0.1790



13.8937, 0.3070, 0.2077

Sweetspot

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



13.8945, 0.4439, 0.4858



29.7247, 0.3593, 0.3930



4.0302, 0.6161, 0.3167



6.9670, 0.3647, 0.4001



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.8945, 0.4439, 0.4858



24.3013, 0.4445, 0.4852



14.9684, 0.3586, 0.5535



4.5472, 0.3258, 0.3474



15.1445, 0.4440, 0.4857



71.3427, 0.4454, 0.4845

Inverse Universe

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



1.7263, 0.1540, 0.0744



2.9115, 0.1533, 0.0717



1.8914, 0.1828, 0.0781



3.9718, 0.2994, 0.3099



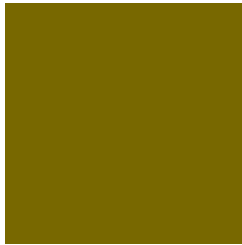
1.8695, 0.1539, 0.0739



8.1805, 0.1524, 0.0685

Previews

White Background



This preview shows how the Yxy color 13.8937, 0.4439, 0.4858 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 Xy color 13.8937, 0.4439, 0.4858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

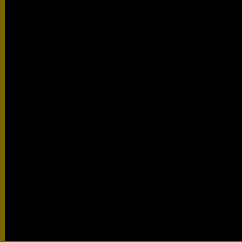
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.8937, 0.4439, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 13.8937, 0.4439, 0.4858.



This preview shows how white text looks on a background with the Yxy color 13.8937, 0.4439, 0.4858.

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

13.8937, 0.4439, 0.4858

Protanopia

13.9613, 0.4381, 0.4878

Deuteranopia

13.8558, 0.4653, 0.4591



Tritanopia

13.9845, 0.3468, 0.3153

Trichromacy



Original Color

13.8937, 0.4439, 0.4858

Protanomaly

14.0295, 0.4400, 0.4872

Deuteranomaly

13.9141, 0.4577, 0.4683

Tritanomaly

13.7928, 0.3988, 0.3971

Monochromacy



Original Color

13.8937, 0.4439, 0.4858

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.4654, 0.3740, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8937, 0.4439, 0.4858 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(120, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 104, 0)  
}
```

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(120, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8937, 0.4439, 0.4858 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(120, 104, 0) }
```

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

```
.border{ border-color:rgb(120, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8937, 0.4439, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 104, 0) }
```

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

```
.background{ background-color: rgb(120,  
104, 0) }
```

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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