

Converting Colors

$Y_{xy}(13.7095, 0.4196, 0.4582)$

Have a look what the booklet for
Yxy(13.7095, 0.4196, 0.4582)
contains.

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Color

Yxy(13.8099, 0.4190, 0.4590)

Conversions

Conversions Part 1

Format	Color
Hex	756824
RGB	117, 104, 36
RGB Percent	46%, 41%, 14%
CMY	0.5411, 0.5922, 0.8588
CMYK	0.00, 0.11, 0.69, 0.54
HSL	50°, 53%, 30%
HSV	50°, 69%, 46%
XYZ	12.6064, 13.8099, 3.6706
YIQ	100.1350, 29.5760, -18.3920

Conversions

Conversions Part 2

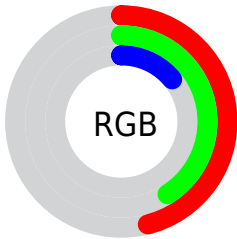
Format	Color
R_{YB}	51, 117, 36
Decimal	7694372
CIE _{Lab}	43.96, -3.46, 38.77
CIE _{LCh}	44, 38.923, 95.093
Yxy	13.8099, 0.4190, 0.4590
Android (android.graphics.Color)	4285884452 (0xFF756824)
YUV	100.1350, -31.6186, 14.7906
Hunter-Lab	37.1617, -4.4800, 20.1569

Details

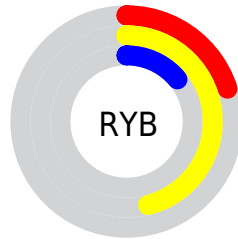
The Yxy color **13.8099, 0.4190, 0.4590** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.8585, 0.1922, 0.1472**, and the grayscale version is **12.8578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7565, 0.3955, 0.4297**, and **4.0845, 0.4423, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **13.3760, 0.4311, 0.4700**, and if you desaturate by 10%, it is **14.2769, 0.4050, 0.4445**.

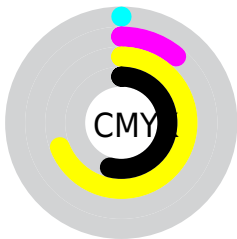
Distribution



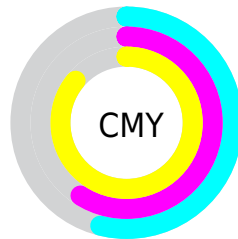
- Red (46%)
- Green (41%)
- Blue (14%)



- Red (20%)
- Yellow (46%)
- Blue (14%)



- Cyan (0%)
- Magenta (11%)
- Yellow (69%)
- Black (54%)





- Cyan (54%)
- Magenta (59%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8099, 0.4190, 0.4590 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 13.8099, 0.4190, 0.4590 by changing the saturation by 10% instead.


 13.8099, 0.4190,
0.4590


 13.8099, 0.4190,
0.4590


216.0450, 0.3592,
0.3840


 7.9886, 0.4340,
0.4793


 32.7513, 0.3964,
0.4298


 4.0876, 0.4615,
0.5160

 46.6402, 0.3880,
0.4193

 1.7227, 0.4670,
0.5330

 63.9871, 0.3811,
0.4107

 0.4383, 0.4312,
0.5688

 85.1764, 0.3752,
0.4036

 0.0000, 0.0000,
0.0000

 110.5924, 0.3703,
0.3975

 140.6196, 0.3661,

0.3923

175.6423, 0.3624,
0.3879

13.8099, 0.4190,
0.4590

13.8099, 0.4190,
0.4590

13.3760, 0.4311,
0.4700

14.2769, 0.4050,
0.4445

12.9709, 0.4408,
0.4769

14.7772, 0.3896,
0.4272

12.5873, 0.4488,
0.4810

15.3133, 0.3735,
0.4081

12.5580, 0.4494,
0.4813

15.8870, 0.3572,
0.3879

16.4999, 0.3413,
0.3673

■ 17.1533, 0.3260,
0.3471

■ 17.8488, 0.3116,
0.3275

■ 18.5876, 0.2983,
0.3090

■ 19.3709, 0.2860,
0.2916

Harmonies

Analogous

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



13.8099, 0.4658, 0.4075



13.8099, 0.4190, 0.4590



13.8099, 0.3474, 0.4796

Triad

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



13.8099, 0.4190, 0.4590



13.8099, 0.1779, 0.2777



13.8099, 0.3413, 0.2446

Complementary

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



13.8099, 0.4190, 0.4590



3.8585, 0.1922, 0.1472

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.



13.8099, 0.2619, 0.2148



13.8099, 0.4190, 0.4590



13.8099, 0.1771, 0.2268

Square

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



13.8099, 0.4190, 0.4590



13.8099, 0.2096, 0.3590



13.8099, 0.2052, 0.2075



13.8099, 0.4216, 0.2916

Rectangle

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



13.8099, 0.4190, 0.4590



13.8099, 0.2955, 0.4617



13.8099, 0.2052, 0.2075



13.8099, 0.3132, 0.2324

Sweetspot

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



13.8106, 0.4190, 0.4590



29.2784, 0.3450, 0.3721



5.2712, 0.4923, 0.3041



6.6776, 0.3483, 0.3764



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.8106, 0.4190, 0.4590



23.5112, 0.4371, 0.4746



15.0277, 0.3642, 0.5022



4.1709, 0.3257, 0.3467



13.8141, 0.4496, 0.4812



66.2727, 0.4515, 0.4797

Inverse Universe

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



3.8585, 0.1922, 0.1472



4.5063, 0.1695, 0.1065



3.6040, 0.2206, 0.1349



3.6762, 0.2995, 0.3107



1.9038, 0.1550, 0.0780



8.4239, 0.1533, 0.0717

Previews

White Background



This preview shows how the Yxy color 13.8099, 0.4190, 0.4590 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 13.8099, 0.4190, 0.4590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

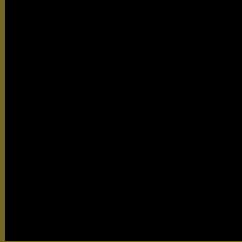
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8099, 0.4190, 0.4590

Background



This preview shows how black text looks on a background with the Yxy color 13.8099, 0.4190, 0.4590.



This preview shows how white text looks on a background with the Yxy color 13.8099, 0.4190, 0.4590.

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

13.8099, 0.4190, 0.4590

Protanopia

13.7410, 0.4174, 0.4599

Deuteranopia

13.8094, 0.4438, 0.4372



Tritanopia

13.7803, 0.3407, 0.3131

Trichromacy



Original Color

13.8099, 0.4190, 0.4590

Protanomaly

13.7410, 0.4174, 0.4599

Deuteranomaly

13.8009, 0.4344, 0.4459

Tritanomaly

13.7585, 0.3738, 0.3702

Monochromacy



Original Color

13.8099, 0.4190, 0.4590

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9074, 0.3539, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8099, 0.4190, 0.4590 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(117, 104, 36)` looks like.

```
.text, #text, p{  
    color:rgb(117, 104, 36)  
}
```

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(117, 104, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 104, 36) }
```

Border

The CSS property to change the border of an element to Yxy 13.8099, 0.4190, 0.4590 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(117, 104, 36) }
```

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

```
.border{ border-color:rgb(117, 104, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 104, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 104, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 104, 36);  
box-shadow:4px 4px 4px 4px rgb(117, 104,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8099, 0.4190, 0.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 104, 36) }
```

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

```
.background{ background-color: rgb(117,  
104, 36) }
```

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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