

Converting Colors

$Y_{xy}(13.4310, 0.3536, 0.4691)$

Have a look what the booklet for
Yxy(13.4310, 0.3536, 0.4691)
contains.

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Color

Yxy(13.4084, 0.3530, 0.4694)

Conversions

Conversions Part 1

Format	Color
Hex	576E32
RGB	87, 110, 50
RGB Percent	34%, 43%, 20%
CMY	0.6587, 0.5686, 0.8040
CMYK	0.21, 0.00, 0.55, 0.57
HSL	83°, 38%, 31%
HSV	83°, 55%, 43%
XYZ	10.0834, 13.4084, 5.0731
YIQ	96.2830, 5.5520, -23.5360

Conversions

Conversions Part 2

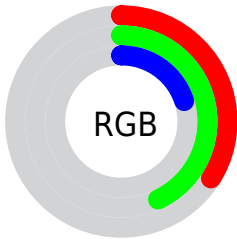
Format	Color
RYB	50, 110, 73
Decimal	5729842
CIELab	43.37, -19.22, 30.40
CIELCh	43, 35.964, 122.301
Yxy	13.4084, 0.3530, 0.4694
Android (android.graphics.Color)	4283919922 (0xFF576E32)
YUV	96.2830, -22.8175, -8.1412
Hunter-Lab	36.6175, -14.9267, 17.4180

Details

The Yxy color **13.4084, 0.3530, 0.4694** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.8215, 0.2495, 0.1796**, and the grayscale version is **11.8262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1258, 0.3454, 0.4333**, and **3.8832, 0.3598, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **13.1283, 0.3572, 0.4940**, and if you desaturate by 10%, it is **13.7244, 0.3472, 0.4431**.

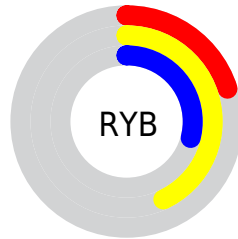
Distribution



Red (34%)

Green (43%)

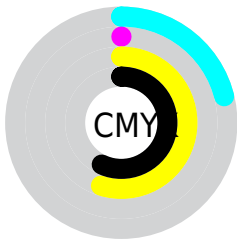
Blue (20%)



Red (20%)

Yellow (43%)

Blue (29%)

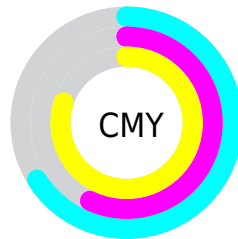


Cyan (21%)

Magenta (0%)

Yellow (55%)

Black (57%)



Cyan (66%)


Magenta (57%)


Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4084, 0.3530, 0.4694 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 13.4084, 0.3530, 0.4694 by changing the saturation by 10% instead.


 13.4084, 0.3530,
0.4694


 13.4084, 0.3530,
0.4694


213.5187, 0.3319,
0.3824

 7.7104, 0.3569,
0.4988


 32.0356, 0.3457,
0.4326


 3.9102, 0.3602,
0.5436

 45.7335, 0.3428,
0.4205

 1.6234, 0.3671,
0.6329

 62.8668, 0.3402,
0.4108

 0.3733, 0.0000,
1.0000

 83.8200, 0.3381,
0.4030

 0.0000, 0.0000,
0.0000

 108.9774, 0.3362,
0.3965

 138.7234, 0.3346,

0.3911

173.4423, 0.3332,
0.3864

■ 13.4084, 0.3530,
0.4694

■ 13.4084, 0.3530,
0.4694

■ 13.1283, 0.3572,
0.4940

■ 13.7244, 0.3472,
0.4431

■ 12.8804, 0.3595,
0.5159

■ 14.0761, 0.3403,
0.4161

■ 12.6631, 0.3597,
0.5339

■ 14.4657, 0.3326,
0.3895

■ 12.4732, 0.3578,
0.5478

■ 14.8947, 0.3246,
0.3638

■ 12.3761, 0.3566,
0.5551

■ 15.3645, 0.3164,
0.3395

■ 15.8763, 0.3084,
0.3169

■ 16.4313, 0.3006,
0.2962

■ 17.0308, 0.2932,
0.2773

■ 17.6758, 0.2862,
0.2602

Harmonies

Analogous

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



13.4084, 0.4187, 0.4480



13.4084, 0.3530, 0.4694



13.4084, 0.2803, 0.4394

Triad

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



13.4084, 0.3530, 0.4694



13.4084, 0.1835, 0.2364



13.4084, 0.4082, 0.2896

Complementary

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



13.4084, 0.3530, 0.4694



4.8215, 0.2495, 0.1796

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.



13.4084, 0.3324, 0.2460



13.4084, 0.3530, 0.4694



13.4084, 0.2078, 0.2150

Square

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



13.4084, 0.3530, 0.4694



13.4084, 0.1872, 0.2878



13.4084, 0.2592, 0.2195



13.4084, 0.4567, 0.3431

Rectangle

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



13.4084, 0.3530, 0.4694



13.4084, 0.2378, 0.3924



13.4084, 0.2592, 0.2195



13.4084, 0.3845, 0.2736

Sweetspot

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



13.4090, 0.3530, 0.4694



26.0124, 0.3261, 0.3685



8.1791, 0.4315, 0.3786



6.0267, 0.3273, 0.3722



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.4090, 0.3530, 0.4694



22.9569, 0.3579, 0.4991



12.2811, 0.3140, 0.4884



3.8555, 0.3200, 0.3501



14.8511, 0.3561, 0.5555



73.4728, 0.3527, 0.5581

Inverse Universe

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



4.8215, 0.2495, 0.1796



6.2124, 0.2314, 0.1456



6.2309, 0.3031, 0.2002



3.3569, 0.3049, 0.3077



1.9308, 0.1854, 0.0795



9.1546, 0.1800, 0.0765

Previews

White Background



This preview shows how the Yxy color 13.4084, 0.3530, 0.4694 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 13.4084, 0.3530, 0.4694 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 13.4084, 0.3530, 0.4694

Background



This preview shows how black text looks on a background with the Yxy color 13.4084, 0.3530, 0.4694.



This preview shows how white text looks on a background with the Yxy color 13.4084, 0.3530, 0.4694.

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

13.4084, 0.3530, 0.4694

Protanopia

13.2269, 0.4027, 0.4404

Deuteranopia

13.1664, 0.4213, 0.4147



Tritanopia

13.3032, 0.2903, 0.3091

Trichromacy



Original Color

13.4084, 0.3530, 0.4694

Protanomaly

13.2680, 0.3842, 0.4505

Deuteranomaly

13.1302, 0.3948, 0.4346

Tritanomaly

13.3046, 0.3150, 0.3686

Monochromacy



Original Color

13.4084, 0.3530, 0.4694

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1990, 0.3309, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4084, 0.3530, 0.4694 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(87, 110, 50)` looks like.

```
.text, #text, p{  
  color:rgb(87, 110, 50)  
}
```

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(87, 110, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 110, 50) }
```

Border

The CSS property to change the border of an element to Yxy 13.4084, 0.3530, 0.4694 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(87, 110, 50) }
```

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

```
.border{ border-color:rgb(87, 110, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 110, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 110, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 110, 50);  
box-shadow:4px 4px 4px 4px rgb(87, 110,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4084, 0.3530, 0.4694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 110, 50) }
```

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

```
.background{ background-color: rgb(87, 110,  
50) }
```

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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