

Converting Colors

$Y_{xy}(13.8882, 0.3409, 0.4600)$

Have a look what the booklet for
Yxy(13.8882, 0.3409, 0.4600)
contains.

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Color

Yxy(13.8150, 0.3416, 0.4591)

Conversions

Conversions Part 1

Format	Color
Hex	557039
RGB	85, 112, 57
RGB Percent	33%, 44%, 22%
CMY	0.6667, 0.5608, 0.7764
CMYK	0.24, 0.00, 0.49, 0.56
HSL	89°, 33%, 33%
HSV	89°, 49%, 44%
XYZ	10.2793, 13.8150, 5.9972
YIQ	97.6570, 1.5630, -22.8290

Conversions

Conversions Part 2

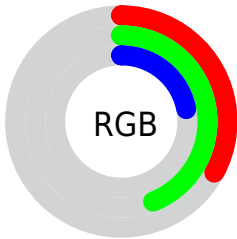
Format	Color
RYB	57, 112, 84
Decimal	5599289
CIELab	43.97, -20.26, 27.29
CIELCh	44, 33.990, 126.580
Yxy	13.8150, 0.3416, 0.4591
Android (android.graphics.Color)	4283789369 (0xFF557039)
YUV	97.6570, -20.0439, -11.1002
Hunter-Lab	37.1685, -15.6794, 16.4514

Details

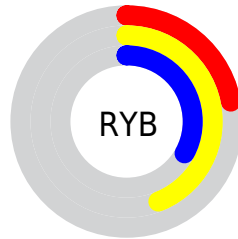
The Yxy color **13.8150, 0.3416, 0.4591** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9830, 0.2674, 0.1988**, and the grayscale version is **12.1754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8051, 0.3369, 0.4254**, and **4.0843, 0.3448, 0.5300** is the 20% darker color. If you saturate the color by 10%, you get **13.4684, 0.3450, 0.4866**, and if you desaturate by 10%, it is **14.2075, 0.3369, 0.4308**.

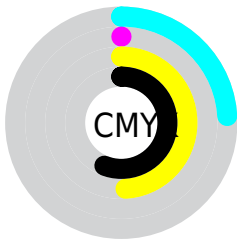
Distribution



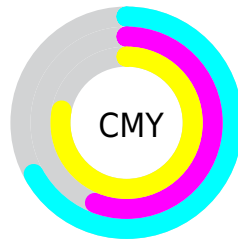
- Red (33%)
- Green (44%)
- Blue (22%)



- Red (22%)
- Yellow (44%)
- Blue (33%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (56%)



- Cyan (67%)
- Magenta (56%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8150, 0.3416, 0.4591 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 13.8150, 0.3416, 0.4591 by changing the saturation by 10% instead.

13.8150, 0.3416,
0.4591

13.8150, 0.3416,
0.4591

216.0769, 0.3269,
0.3784

7.9921, 0.3441,
0.4869

32.7604, 0.3366,
0.4248

4.0899, 0.3450,
0.5283

46.6517, 0.3346,
0.4135

1.7240, 0.3630,
0.6370

64.0013, 0.3328,
0.4046

0.4391, 0.0000,
1.0000

85.1935, 0.3313,
0.3973

0.0000, 0.0000,
0.0000

110.6128, 0.3299,
0.3914

140.6435, 0.3288,

0.3863

175.6701, 0.3278,
0.3820

■ 13.8150, 0.3416,
0.4591

■ 13.8150, 0.3416,
0.4591

■ 13.4684, 0.3450,
0.4866

■ 14.2075, 0.3369,
0.4308

■ 13.1637, 0.3468,
0.5120

■ 14.6461, 0.3313,
0.4028

■ 12.8993, 0.3466,
0.5341


■ 15.1331, 0.3251,
0.3758


■ 12.6726, 0.3445,
0.5517

■ 15.6701, 0.3186,
0.3505

■ 12.4757, 0.3411,
0.5662


■ 16.2589, 0.3121,
0.3270

 12.4587, 0.3408,
0.5676

 16.9009, 0.3058,
0.3055

 17.5975, 0.2996,
0.2860

 18.3502, 0.2938,
0.2684

 19.1603, 0.2883,
0.2527

Harmonies

Analogous

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



13.8150, 0.4053, 0.4463



13.8150, 0.3416, 0.4591



13.8150, 0.2736, 0.4234

Triad

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



13.8150, 0.3416, 0.4591



13.8150, 0.1922, 0.2375



13.8150, 0.4108, 0.2990

Complementary

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



13.8150, 0.3416, 0.4591



5.9830, 0.2674, 0.1988

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.



13.8150, 0.3420, 0.2557



13.8150, 0.3416, 0.4591



13.8150, 0.2192, 0.2205

Square

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



13.8150, 0.3416, 0.4591



13.8150, 0.1920, 0.2823



13.8150, 0.2715, 0.2278



13.8150, 0.4506, 0.3508

Rectangle

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



13.8150, 0.3416, 0.4591



13.8150, 0.2352, 0.3775



13.8150, 0.2715, 0.2278



13.8150, 0.3898, 0.2833

Sweetspot

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



13.8156, 0.3416, 0.4591



26.9232, 0.3227, 0.3662



10.0178, 0.4089, 0.3879



6.4319, 0.3238, 0.3704



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.



13.8156, 0.3416, 0.4591



23.5777, 0.3454, 0.4904



12.7817, 0.3069, 0.4741



3.8389, 0.3186, 0.3502



14.3890, 0.3404, 0.5680



71.1633, 0.3366, 0.5709

Inverse Universe

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



5.9830, 0.2674, 0.1988



8.0519, 0.2533, 0.1675



7.4825, 0.3163, 0.2160



3.3734, 0.3065, 0.3078



2.2777, 0.2042, 0.0899



10.8351, 0.1988, 0.0869

Previews

White Background



This preview shows how the Yxy color 13.8150, 0.3416, 0.4591 looks on a white background.

Color Contrast Check

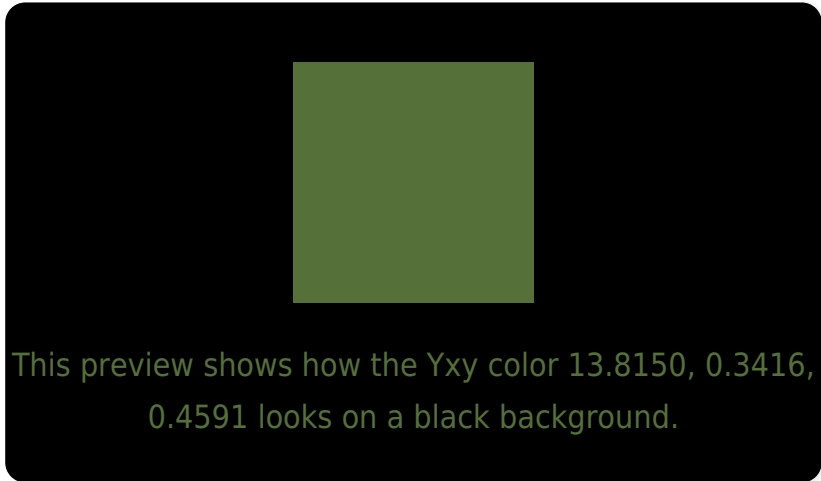
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

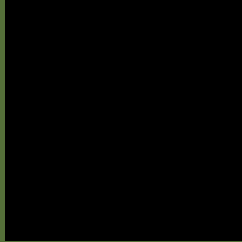
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8150, 0.3416, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 13.8150, 0.3416, 0.4591.



This preview shows how white text looks on a background with the Yxy color 13.8150, 0.3416, 0.4591.

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

13.8150, 0.3416, 0.4591

Protanopia

13.7444, 0.3951, 0.4325

Deuteranopia

13.6855, 0.4113, 0.4055



Tritanopia

13.8501, 0.2857, 0.3114

Trichromacy



Original Color

13.8150, 0.3416, 0.4591

Protanomaly

13.6748, 0.3740, 0.4431

Deuteranomaly

13.5959, 0.3842, 0.4248

Tritanomaly

13.6891, 0.3070, 0.3638

Monochromacy



Original Color

13.8150, 0.3416, 0.4591

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.6522, 0.3249, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8150, 0.3416, 0.4591 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(85, 112, 57)` looks like.

```
.text, #text, p{  
  color:rgb(85, 112, 57)  
}
```

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(85, 112, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 112, 57) }
```

Border

The CSS property to change the border of an element to Yxy 13.8150, 0.3416, 0.4591 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(85, 112, 57) }
```

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

```
.border{ border-color:rgb(85, 112, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 112, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 112, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 112, 57);  
box-shadow:4px 4px 4px 4px rgb(85, 112,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8150, 0.3416, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 112, 57) }
```

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

```
.background{ background-color: rgb(85, 112,  
57) }
```

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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