

Converting Colors

$Y_{xy}(15.8291, 0.3390, 0.4335)$

Have a look what the booklet for
Yxy(15.8291, 0.3390, 0.4335)
contains.

Yxy(15.8986, 0.3388, 0.4331)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.8986, 0.3388, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	607647
RGB	96, 118, 71
RGB Percent	38%, 46%, 28%
CMY	0.6237, 0.5372, 0.7216
CMYK	0.19, 0.00, 0.40, 0.54
HSL	88°, 25%, 37%
HSV	88°, 40%, 46%
XYZ	12.4370, 15.8986, 8.3733
YIQ	106.0640, 1.9750, -19.2810

Conversions

Conversions Part 2

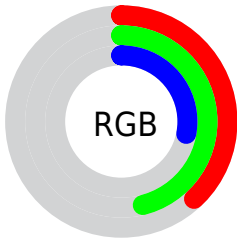
Format	Color
RYB	71, 118, 93
Decimal	6321735
CIELab	46.84, -17.03, 23.30
CIELCh	47, 28.855, 126.161
Yxy	15.8986, 0.3388, 0.4331
Android (android.graphics.Color)	4284511815 (0xFF607647)
YUV	106.0640, -17.2866, -8.8261
Hunter-Lab	39.8730, -14.1012, 15.4603

Details

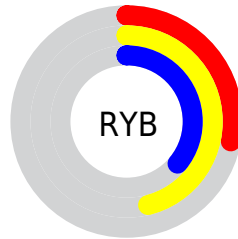
The Yxy color **15.8986, 0.3388, 0.4331** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1431, 0.2761, 0.2239**, and the grayscale version is **14.4781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3086, 0.3336, 0.4065**, and **5.0833, 0.3441, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **15.4727, 0.3438, 0.4612**, and if you desaturate by 10%, it is **16.3764, 0.3329, 0.4051**.

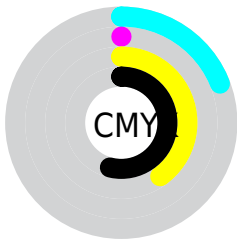
Distribution



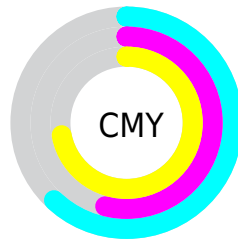
- Red (38%)
- Green (46%)
- Blue (28%)



- Red (28%)
- Yellow (46%)
- Blue (36%)



- Cyan (19%)
- Magenta (0%)
- Yellow (40%)
- Black (54%)





- Cyan (62%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8986, 0.3388, 0.4331 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 15.8986, 0.3388, 0.4331 by changing the saturation by 10% instead.


 15.8986, 0.3388,
0.4331


 15.8986, 0.3388,
0.4331


228.7426, 0.3250,
0.3699


 9.4524, 0.3419,
0.4542


 36.4221, 0.3338,
0.4067


 5.0374, 0.3451,
0.4853

 51.2682, 0.3319,
0.3979


 2.2692, 0.3548,
0.5483

 69.6830, 0.3303,
0.3908

 0.7574, 0.2866,
0.7134

 92.0511, 0.3289,
0.3851

 0.0000, 0.0000,
0.0000

 118.7566, 0.3277,
0.3803

150.1842, 0.3267,

0.3763

186.7180, 0.3258,
0.3729

■ 15.8986, 0.3388,
0.4331

■ 15.8986, 0.3388,
0.4331

■ 15.4727, 0.3438,
0.4612

■ 16.3764, 0.3329,
0.4051

■ 15.0945, 0.3474,
0.4883

■ 16.9061, 0.3263,
0.3780

■ 14.7624, 0.3493,
0.5132

■ 17.4903, 0.3195,
0.3524

■ 14.4739, 0.3492,
0.5346

■ 18.1306, 0.3126,
0.3286

■ 14.2258, 0.3470,
0.5514

■ 18.8287, 0.3059,
0.3069

■ 14.0091, 0.3436,
0.5652

■ 19.5864, 0.2994,
0.2871

■ 14.0058, 0.3435,
0.5654

■ 20.4050, 0.2932,
0.2692

■ 21.2861, 0.2874,
0.2532

■ 22.2310, 0.2820,
0.2388

Harmonies

Analogous

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



15.8986, 0.3906, 0.4254



15.8986, 0.3388, 0.4331



15.8986, 0.2826, 0.4044

Triad

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



15.8986, 0.3388, 0.4331



15.8986, 0.2121, 0.2546



15.8986, 0.3915, 0.3045

Complementary

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



15.8986, 0.3388, 0.4331



8.1431, 0.2761, 0.2239

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.



15.8986, 0.3363, 0.2677



15.8986, 0.3388, 0.4331



15.8986, 0.2349, 0.2389

Square

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



15.8986, 0.3388, 0.4331



15.8986, 0.2126, 0.2930



15.8986, 0.2787, 0.2442



15.8986, 0.4243, 0.3485

Rectangle

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



15.8986, 0.3388, 0.4331



15.8986, 0.2503, 0.3690



15.8986, 0.2787, 0.2442



15.8986, 0.3746, 0.2911

Sweetspot

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



15.8993, 0.3388, 0.4331



30.4863, 0.3212, 0.3585



12.1245, 0.3878, 0.3756



6.9867, 0.3218, 0.3609



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.



15.8993, 0.3388, 0.4331



27.2467, 0.3435, 0.4594



14.8136, 0.3091, 0.4433



4.1850, 0.3189, 0.3504



15.1419, 0.3433, 0.5656



73.2745, 0.3397, 0.5685

Inverse Universe

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



8.1431, 0.2761, 0.2239



11.5498, 0.2648, 0.1970



9.5575, 0.3145, 0.2351



3.6662, 0.3061, 0.3076



2.2963, 0.1999, 0.0875



10.6888, 0.1946, 0.0846

Previews

White Background



This preview shows how the Yxy color 15.8986, 0.3388, 0.4331 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 15.8986, 0.3388, 0.4331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

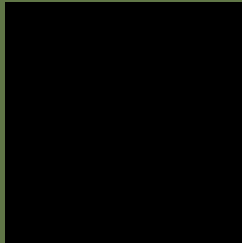
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8986, 0.3388, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 15.8986, 0.3388, 0.4331.



This preview shows how white text looks on a background with the Yxy color 15.8986, 0.3388, 0.4331.

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

15.8986, 0.3388, 0.4331

Protanopia

15.8512, 0.3823, 0.4147

Deuteranopia

15.7890, 0.3963, 0.3895



Tritanopia

15.8524, 0.2906, 0.3105

Trichromacy



Original Color

15.8986, 0.3388, 0.4331

Protanomaly

15.9090, 0.3658, 0.4225

Deuteranomaly

15.6260, 0.3753, 0.4037

Tritanomaly

15.7232, 0.3077, 0.3526

Monochromacy



Original Color

15.8986, 0.3388, 0.4331

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7670, 0.3232, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8986, 0.3388, 0.4331 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(96, 118, 71)` looks like.

```
.text, #text, p{  
    color:rgb(96, 118, 71)  
}
```

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(96, 118, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 118, 71) }
```

Border

The CSS property to change the border of an element to Yxy 15.8986, 0.3388, 0.4331 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(96, 118, 71) }
```

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

```
.border{ border-color:rgb(96, 118, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 118, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 118, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 118, 71);  
box-shadow:4px 4px 4px 4px rgb(96, 118,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8986, 0.3388, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 118, 71) }
```

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

```
.background{ background-color: rgb(96, 118,  
71) }
```

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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