

Converting Colors

Yxy(67.0833, 0.3408, 0.4188)

Have a look what the booklet for
Yxy(67.0833, 0.3408, 0.4188)
contains.

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Color

Yxy(67.0833, 0.3408, 0.4188)

Conversions

Conversions Part 1

Format	Color
Hex	C3E095
RGB	195, 224, 149
RGB Percent	76%, 88%, 58%
CMY	0.2352, 0.1216, 0.4157
CMYK	0.13, 0.00, 0.33, 0.12
HSL	83°, 55%, 73%
HSV	83°, 33%, 88%
XYZ	54.5893, 67.0833, 38.5072
YIQ	206.7790, 6.7910, -29.4730

Conversions

Conversions Part 2

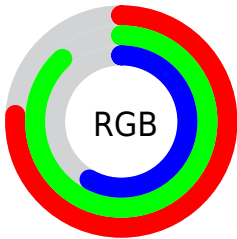
Format	Color
RYB	149, 224, 178
Decimal	12837013
CIELab	85.55, -22.08, 33.64
CIElCh	86, 40.243, 123.278
Yxy	67.0833, 0.3408, 0.4188
Android (android.graphics.Color)	4291027093 (0xFFC3E095)
YUV	206.7790, -28.4850, -10.3302
Hunter-Lab	81.9044, -24.3625, 29.4580

Details

The Yxy color **67.0833, 0.3408, 0.4188** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.3435, 0.2760, 0.2357**, and the grayscale version is **62.4340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5751, 0.3410, 0.3794**, and **34.8145, 0.3457, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **65.3179, 0.3480, 0.4474**, and if you desaturate by 10%, it is **69.0590, 0.3328, 0.3904**.

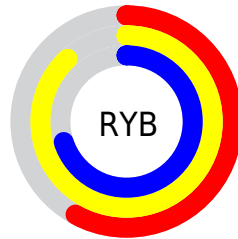
Distribution



Red (76%)

Green (88%)

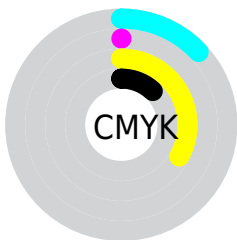
Blue (58%)



Red (58%)

Yellow (88%)

Blue (70%)

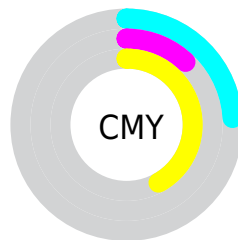


Cyan (13%)

Magenta (0%)

Yellow (33%)

Black (12%)



Cyan (24%)


Magenta (12%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0833, 0.3408, 0.4188 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 67.0833, 0.3408, 0.4188 by changing the saturation by 10% instead.

 67.0833, 0.3408,
0.4188

 67.0833, 0.3408,
0.4188


450.2412, 0.3288,
0.3752

 49.1523, 0.3432,
0.4292


 115.0398, 0.3369,
0.4033

 34.7403, 0.3459,
0.4422


 145.8340, 0.3353,
0.3974

 23.4629, 0.3490,
0.4588

181.6849, 0.3339,
0.3924

 14.9357, 0.3522,
0.4810

222.9767, 0.3326,
0.3880

 8.7743, 0.3550,
0.5113

270.0938, 0.3315,
0.3842

 4.5942, 0.3561,
0.5560

323.4207, 0.3305,

 2.0112, 0.3584,

0.3808

0.6416

383.3417, 0.3296,
0.3779

0.6140, 0.0676,
0.9324

0.0000, 0.0000,
0.0000

67.0833, 0.3408,
0.4188

67.0833, 0.3408,
0.4188

65.3179, 0.3480,
0.4474

69.0590, 0.3328,
0.3904

63.7451, 0.3537,
0.4752

71.2447, 0.3243,
0.3631


62.3578, 0.3577,
0.5007


73.6510, 0.3157,
0.3375

61.1451, 0.3594,
0.5228


76.2855, 0.3072,
0.3138

 60.0945, 0.3586,
0.5403

 78.7620, 0.3028,
0.2979

 59.1910, 0.3555,
0.5525

 80.2994, 0.3086,
0.2984

 58.6660, 0.3525,
0.5583

 81.7920, 0.3141,
0.2989

Harmonies

Analogous

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



67.0833, 0.3844, 0.4109



67.0833, 0.3408, 0.4188



67.0833, 0.2917, 0.3968

Triad

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



67.0833, 0.3408, 0.4188



67.0833, 0.2237, 0.2671



67.0833, 0.3767, 0.3046

Complementary

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



67.0833, 0.3408, 0.4188



36.3435, 0.2760, 0.2357

Split Complementary

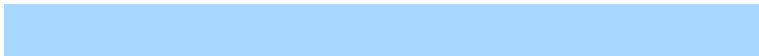
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.0833, 0.3284, 0.2727



67.0833, 0.3408, 0.4188



67.0833, 0.2420, 0.2507

Square

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



67.0833, 0.3408, 0.4188



67.0833, 0.2264, 0.3028



67.0833, 0.2792, 0.2534



67.0833, 0.4074, 0.3432

Rectangle

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



67.0833, 0.3408, 0.4188



67.0833, 0.2625, 0.3681



67.0833, 0.2792, 0.2534



67.0833, 0.3618, 0.2929

Sweetspot

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



67.0863, 0.3408, 0.4188



96.6435, 0.3213, 0.3542



49.7611, 0.3796, 0.3630



20.5900, 0.3226, 0.3579



0.0000, 0.0000, 0.0000



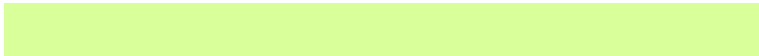
21.4041, 0.3127, 0.3290

Same Dimension

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



67.0863, 0.3408, 0.4188



88.3542, 0.3458, 0.4383



62.7266, 0.3139, 0.4268



15.7513, 0.3208, 0.3526



34.2156, 0.3535, 0.5575



2.4228, 0.3636, 0.5495

Inverse Universe

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



36.3435, 0.2760, 0.2357



41.2644, 0.2665, 0.2144



41.3645, 0.3087, 0.2442



13.5003, 0.3041, 0.3052



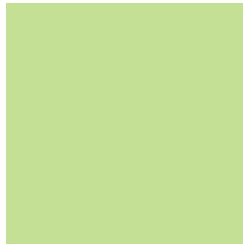
4.3618, 0.1827, 0.0780



0.3528, 0.2000, 0.0876

Previews

White Background



This preview shows how the Yxy color 67.0833, 0.3408, 0.4188 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.0833, 0.3408, 0.4188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

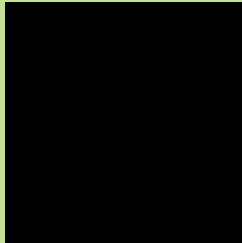
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0833, 0.3408, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 67.0833, 0.3408, 0.4188.

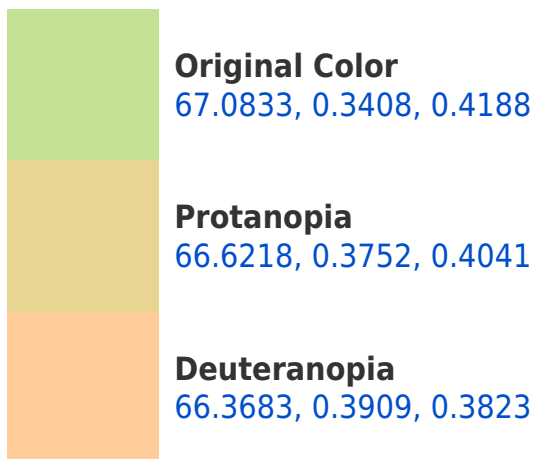


This preview shows how white text looks on a background with the Yxy color 67.0833, 0.3408, 0.4188.

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





Tritanopia

66.9845, 0.2958, 0.3100

Trichromacy



Original Color

67.0833, 0.3408, 0.4188

Protanomaly

66.6065, 0.3626, 0.4100

Deuteranomaly

66.0113, 0.3718, 0.3943

Tritanomaly

66.9164, 0.3125, 0.3487

Monochromacy



Original Color

67.0833, 0.3408, 0.4188

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.8302, 0.3239, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0833, 0.3408, 0.4188 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(195, 224, 149)` looks like.

```
.text, #text, p{  
    color:rgb(195, 224, 149)  
}
```

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(195, 224, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 224, 149) }
```

Border

The CSS property to change the border of an element to Yxy 67.0833, 0.3408, 0.4188 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(195, 224, 149) }
```

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

```
.border{ border-color:rgb(195, 224, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 224, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 224, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 224, 149);  
box-shadow:4px 4px 4px 4px rgb(195, 224,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0833, 0.3408, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 224, 149) }
```

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

```
.background{ background-color: rgb(195,  
224, 149) }
```

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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