

Converting Colors

$Yxy(67.6457, 0.3303, 0.3931)$

Have a look what the booklet for
Yxy(67.6457, 0.3303, 0.3931)
contains.

Yxy(67.6457, 0.3303, 0.3931)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.6457, 0.3303, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	C6DFA9
RGB	198, 223, 169
RGB Percent	78%, 87%, 66%
CMY	0.2235, 0.1255, 0.3372
CMYK	0.11, 0.00, 0.24, 0.13
HSL	88°, 46%, 77%
HSV	88°, 24%, 87%
XYZ	56.8389, 67.6457, 47.5981
YIQ	209.3690, 2.4340, -22.0940

Conversions

Conversions Part 2

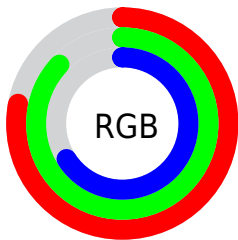
Format	Color
RYB	169, 223, 194
Decimal	13033385
CIELab	85.83, -17.67, 23.78
CIElCh	86, 29.624, 126.615
Yxy	67.6457, 0.3303, 0.3931
Android (android.graphics.Color)	4291223465 (0xFFC6DFA9)
YUV	209.3690, -19.9019, -9.9706
Hunter-Lab	82.2470, -20.5752, 23.2605

Details

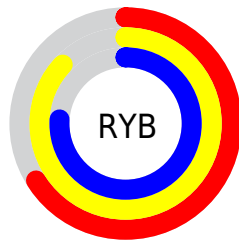
The Yxy color **67.6457, 0.3303, 0.3931** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.1747, 0.2912, 0.2644**, and the grayscale version is **64.1476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **35.2189, 0.3337, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **65.5257, 0.3370, 0.4222**, and if you desaturate by 10%, it is **70.0100, 0.3231, 0.3653**.

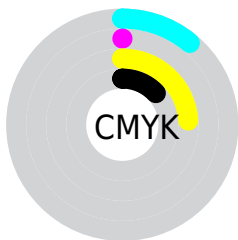
Distribution



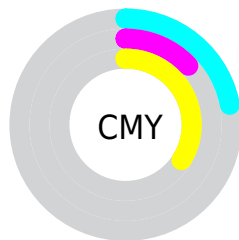
- Red (78%)
- Green (87%)
- Blue (66%)



- Red (66%)
- Yellow (87%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (24%)
- Black (13%)




- Cyan (22%)
- Magenta (13%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6457, 0.3303, 0.3931 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 67.6457, 0.3303, 0.3931 by changing the saturation by 10% instead.


 67.6457, 0.3303,
0.3931

 67.6457, 0.3303,
0.3931


452.2397, 0.3226,
0.3621

 49.6096, 0.3319,
0.4005


 115.8451, 0.3277,
0.3821

 35.1033, 0.3338,
0.4097


146.7772, 0.3267,
0.3779

 23.7424, 0.3361,
0.4217


182.7768, 0.3258,
0.3743

 15.1427, 0.3387,
0.4378

224.2281, 0.3250,
0.3712

 8.9196, 0.3417,
0.4603

271.5157, 0.3243,
0.3685

 4.6888, 0.3444,
0.4937

325.0239, 0.3237,

 2.0658, 0.3597,

0.3661

0.5723

385.1371, 0.3231,
0.3640

0.6453, 0.2200,
0.7800

0.0000, 0.0000,
0.0000

67.6457, 0.3303,
0.3931

67.6457, 0.3303,
0.3931

65.5257, 0.3370,
0.4222

70.0100, 0.3231,
0.3653

63.6322, 0.3427,
0.4518


72.6185, 0.3158,
0.3393


61.9581, 0.3471,
0.4807


75.4821, 0.3085,
0.3155

60.4928, 0.3496,
0.5075


78.4003, 0.3035,
0.2969


 59.2245, 0.3500,
0.5307

 80.2518, 0.3105,
0.2976

 58.1396, 0.3481,
0.5491

 81.2574, 0.3142,
0.2980

 57.2222, 0.3440,
0.5620

 56.7540, 0.3410,
0.5675

Harmonies

Analogous

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



67.6457, 0.3632, 0.3912



67.6457, 0.3303, 0.3931



67.6457, 0.2940, 0.3747

Triad

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



67.6457, 0.3303, 0.3931



67.6457, 0.2466, 0.2814



67.6457, 0.3630, 0.3143

Complementary

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



67.6457, 0.3303, 0.3931



45.1747, 0.2912, 0.2644

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.



67.6457, 0.3289, 0.2889



67.6457, 0.3303, 0.3931



67.6457, 0.2625, 0.2698

Square

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



67.6457, 0.3303, 0.3931



67.6457, 0.2470, 0.3071



67.6457, 0.2920, 0.2729



67.6457, 0.3832, 0.3442

Rectangle

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



67.6457, 0.3303, 0.3931



67.6457, 0.2727, 0.3537



67.6457, 0.2920, 0.2729



67.6457, 0.3527, 0.3051

Sweetspot

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



67.6486, 0.3303, 0.3931



97.3695, 0.3179, 0.3465



56.8276, 0.3566, 0.3572



20.7943, 0.3183, 0.3480



0.0000, 0.0000, 0.0000



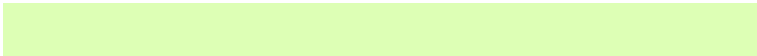
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6486, 0.3303, 0.3931



90.1938, 0.3337, 0.4076



64.3793, 0.3114, 0.3970



15.6979, 0.3196, 0.3527



33.4372, 0.3420, 0.5666



2.3708, 0.3533, 0.5577

Inverse Universe

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



45.1747, 0.2912, 0.2644



54.7781, 0.2858, 0.2497



48.9683, 0.3132, 0.2686



13.5526, 0.3053, 0.3053



4.9020, 0.1957, 0.0852



0.3926, 0.2128, 0.0946

Previews

White Background



This preview shows how the Yxy color 67.6457, 0.3303, 0.3931 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 67.6457, 0.3303, 0.3931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

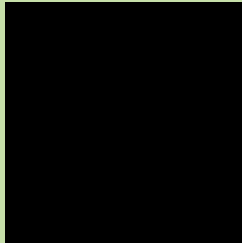
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6457, 0.3303, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 67.6457, 0.3303, 0.3931.

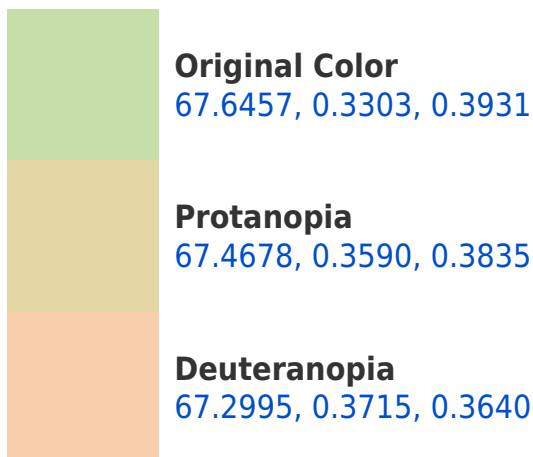


This preview shows how white text looks on a background with the Yxy color 67.6457, 0.3303, 0.3931.

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

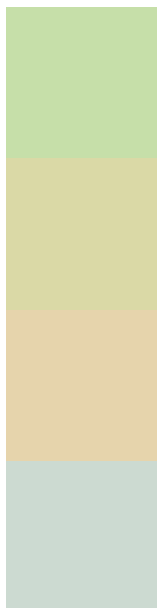




Tritanopia

67.6925, 0.2959, 0.3101

Trichromacy



Original Color

67.6457, 0.3303, 0.3931

Protanomaly

67.2843, 0.3488, 0.3872

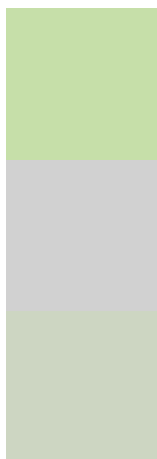
Deuteranomaly

66.8885, 0.3552, 0.3735

Tritanomaly

67.5836, 0.3087, 0.3393

Monochromacy



Original Color

67.6457, 0.3303, 0.3931

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9673, 0.3197, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6457, 0.3303, 0.3931 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(198, 223, 169)` looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 169)  
}
```

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(198, 223, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 169) }
```

Border

The CSS property to change the border of an element to Yxy 67.6457, 0.3303, 0.3931 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(198, 223, 169) }
```

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

```
.border{ border-color:rgb(198, 223, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 223, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 223, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 223, 169); box-shadow:4px 4px 4px 4px rgb(198, 223, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6457, 0.3303, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 169) }
```

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

```
.background{ background-color: rgb(198,  
223, 169) }
```

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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