

Converting Colors

$Yxy(64.6698, 0.3590, 0.4389)$

Have a look what the booklet for
Yxy(64.6698, 0.3590, 0.4389)
contains.

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Color

Yxy(64.8608, 0.3588, 0.4393)

Conversions

Conversions Part 1

Format	Color
Hex	C7DC7F
RGB	199, 220, 127
RGB Percent	78%, 86%, 50%
CMY	0.2197, 0.1372, 0.5019
CMYK	0.10, 0.00, 0.42, 0.14
HSL	74°, 57%, 68%
HSV	74°, 42%, 86%
XYZ	52.9753, 64.8608, 29.8097
YIQ	203.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

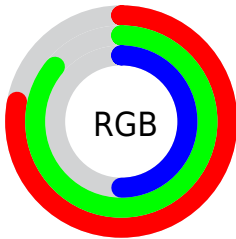
Format	Color
RYB	127, 220, 148
Decimal	13098111
CIELab	84.41, -21.33, 43.26
CIElCh	84, 48.231, 116.248
Yxy	64.8608, 0.3588, 0.4393
Android (android.graphics.Color)	4291288191 (0xFFC7DC7F)
YUV	203.1190, -37.5267, -3.6124
Hunter-Lab	80.5362, -23.5242, 34.4297

Details

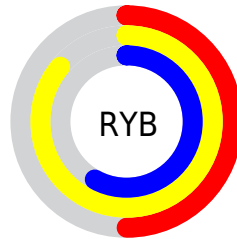
The Yxy color $64.8608, 0.3588, 0.4393$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $26.6490, 0.2508, 0.2042$, and the grayscale version is $60.0327, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.1162, 0.3567, 0.4018$, and $33.3614, 0.3672, 0.4665$ is the 20% darker color. If you saturate the color by 10%, you get $63.6821, 0.3676, 0.4645$, and if you desaturate by 10%, it is $66.1928, 0.3486, 0.4127$.

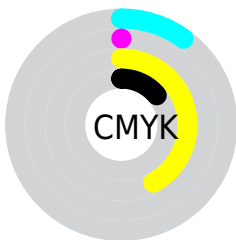
Distribution



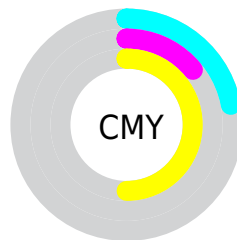
- Red (78%)
- Green (86%)
- Blue (50%)



- Red (50%)
- Yellow (86%)
- Blue (58%)



- Cyan (10%)
- Magenta (0%)
- Yellow (42%)
- Black (14%)





- Cyan (22%)
- Magenta (14%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8608, 0.3588, 0.4393 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 64.8608, 0.3588, 0.4393 by changing the saturation by 10% instead.


 64.8608, 0.3588,
0.4393


 64.8608, 0.3588,
0.4393


442.2916, 0.3390,
0.3860

 47.3482, 0.3627,
0.4518


 111.8497, 0.3524,
0.4205

 33.3110, 0.3671,
0.4673


 142.0948, 0.3497,
0.4132

 22.3648, 0.3718,
0.4868


 177.3529, 0.3474,
0.4070

 14.1252, 0.3766,
0.5120

218.0083, 0.3453,
0.4017

 8.2078, 0.3799,
0.5449

264.4455, 0.3435,
0.3970

 4.2282, 0.3911,
0.6089

317.0489, 0.3418,

 1.8020, 0.3581,

0.3929

0.6419

376.2028, 0.3403,
0.3892

0.4884, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.8608, 0.3588,
0.4393

64.8608, 0.3588,
0.4393

63.6821, 0.3676,
0.4645

66.1928, 0.3486,
0.4127

62.6395, 0.3746,
0.4873


67.6771, 0.3377,
0.3859

61.7265, 0.3794,
0.5066

69.3237, 0.3264,
0.3596


60.9323, 0.3815,
0.5215


71.1392, 0.3152,
0.3345


 60.2439, 0.3811,
0.5317


 73.1298, 0.3044,
0.3109

 59.7677, 0.3794,
0.5369

 75.0400, 0.2965,
0.2931

 75.8690, 0.2998,
0.2934

 76.7216, 0.3032,
0.2938

 77.5980, 0.3066,
0.2942

Harmonies

Analogous

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



64.8608, 0.4079, 0.4200



64.8608, 0.3588, 0.4393



64.8608, 0.2999, 0.4224

Triad

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



64.8608, 0.3588, 0.4393



64.8608, 0.2055, 0.2619



64.8608, 0.3776, 0.2896

Complementary

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



64.8608, 0.3588, 0.4393



26.6490, 0.2508, 0.2042

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.



64.8608, 0.3166, 0.2553



64.8608, 0.3588, 0.4393



64.8608, 0.2213, 0.2380

Square

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



64.8608, 0.3588, 0.4393



64.8608, 0.2142, 0.3090



64.8608, 0.2600, 0.2367



64.8608, 0.4218, 0.3335

Rectangle

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



64.8608, 0.3588, 0.4393



64.8608, 0.2632, 0.3905



64.8608, 0.2600, 0.2367



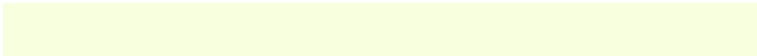
64.8608, 0.3580, 0.2767

Sweetspot

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



64.8637, 0.3588, 0.4393



96.6523, 0.3274, 0.3618



37.6675, 0.4113, 0.3536



20.5746, 0.3299, 0.3676



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.



64.8637, 0.3588, 0.4393



89.1042, 0.3670, 0.4625



59.5308, 0.3242, 0.4527



15.1078, 0.3232, 0.3523



35.1260, 0.3800, 0.5364



2.3128, 0.3868, 0.5311

Inverse Universe

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



26.6490, 0.2508, 0.2042



28.7786, 0.2340, 0.1737



31.7743, 0.2922, 0.2176



12.7584, 0.3016, 0.3051



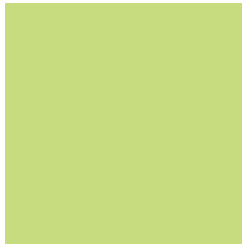
3.4678, 0.1625, 0.0669



0.2634, 0.1786, 0.0758

Previews

White Background



This preview shows how the Yxy color 64.8608, 0.3588, 0.4393 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 64.8608, 0.3588, 0.4393 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 64.8608, 0.3588, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 64.8608, 0.3588, 0.4393.



This preview shows how white text looks on a background with the Yxy color 64.8608, 0.3588, 0.4393.

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

64.8608, 0.3588, 0.4393

Protanopia

64.3462, 0.3908, 0.4243

Deuteranopia

64.4828, 0.4096, 0.4010



Tritanopia

64.8861, 0.3033, 0.3111

Trichromacy



Original Color

64.8608, 0.3588, 0.4393

Protanomaly

64.6084, 0.3792, 0.4306

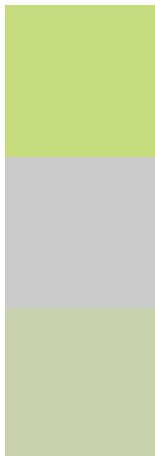
Deuteranomaly

64.2159, 0.3903, 0.4141

Tritanomaly

64.5280, 0.3248, 0.3570

Monochromacy



Original Color

64.8608, 0.3588, 0.4393

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.2526, 0.3314, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8608, 0.3588, 0.4393 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(199, 220, 127)` looks like.

```
.text, #text, p{  
    color:rgb(199, 220, 127)  
}
```

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(199, 220, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 220, 127) }
```

Border

The CSS property to change the border of an element to Yxy 64.8608, 0.3588, 0.4393 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(199, 220, 127) }
```

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

```
.border{ border-color:rgb(199, 220, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 220, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 220, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 220, 127);  
box-shadow:4px 4px 4px 4px rgb(199, 220,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8608, 0.3588, 0.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 220, 127) }
```

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

```
.background{ background-color: rgb(199,  
220, 127) }
```

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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