

Converting Colors

$Yxy(38.1216, 0.3100, 0.4093)$

Have a look what the booklet for
Yxy(38.1216, 0.3100, 0.4093)
contains.

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Color

Yxy(38.0664, 0.3098, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	81B280
RGB	129, 178, 128
RGB Percent	51%, 70%, 50%
CMY	0.4942, 0.3019, 0.4980
CMYK	0.28, 0.00, 0.28, 0.30
HSL	119°, 25%, 60%
HSV	119°, 28%, 70%
XYZ	28.8690, 38.0664, 26.2504
YIQ	157.6490, -13.1540, -25.9380

Conversions

Conversions Part 2

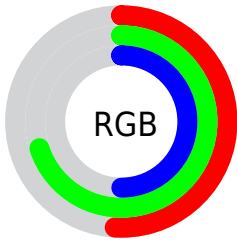
Format	Color
RYB	128, 178, 177
Decimal	8499840
CIELab	68.07, -26.27, 20.47
CIElCh	68, 33.303, 142.072
Yxy	38.0664, 0.3098, 0.4085
Android (android.graphics.Color)	4286689920 (0xFF81B280)
YUV	157.6490, -14.6170, -25.1252
Hunter-Lab	61.6980, -24.4499, 17.9627

Details

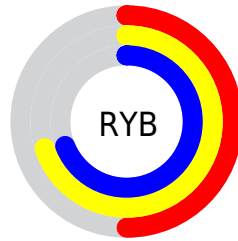
The Yxy color **38.0664, 0.3098, 0.4085** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.0052, 0.3149, 0.2602**, and the grayscale version is **34.0966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2491, 0.3111, 0.3923**, and **16.8370, 0.3076, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **36.3878, 0.3084, 0.4424**, and if you desaturate by 10%, it is **40.0638, 0.3110, 0.3772**.

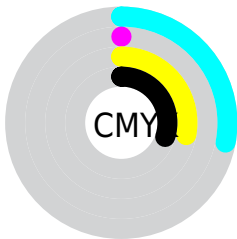
Distribution



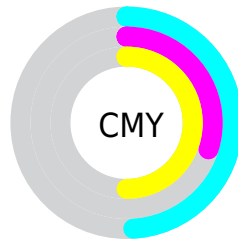
- Red (51%)
- Green (70%)
- Blue (50%)



- Red (50%)
- Yellow (70%)
- Blue (69%)



- Cyan (28%)
- Magenta (0%)
- Yellow (28%)
- Black (30%)




- Cyan (49%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0664, 0.3098, 0.4085 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 38.0664, 0.3098, 0.4085 by changing the saturation by 10% instead.


 38.0664, 0.3098,
0.4085


 38.0664, 0.3098,
0.4085


337.9047, 0.3123,
0.3656


 26.0342, 0.3088,
0.4203


 72.2099, 0.3110,
0.3921

 16.8492, 0.3071,
0.4361


 95.0900, 0.3113,
0.3862

 10.1271, 0.3044,
0.4584


 122.3549, 0.3116,
0.3813

 5.4833, 0.2992,
0.4919

154.3890, 0.3118,
0.3772

 2.5335, 0.2890,
0.5491

191.5766, 0.3120,
0.3737

 0.8934, 0.1887,
0.8113

234.3021, 0.3121,

 0.0000, 0.0000,

0.3706


0.0000

282.9501, 0.3122,
0.3680


 38.0664, 0.3098,
0.4085


 38.0664, 0.3098,
0.4085


 36.3878, 0.3084,
0.4424


 40.0638, 0.3110,
0.3772

 35.0071, 0.3069,
0.4776


 42.3903, 0.3120,
0.3492


 33.9083, 0.3054,
0.5123

 45.0614, 0.3129,
0.3245


 33.0719, 0.3038,
0.5440

 48.0904, 0.3136,
0.3031

 32.4761, 0.3024,
0.5699


 51.4898, 0.3142,
0.2846


 32.0956, 0.3012,
0.5880

 55.2716, 0.3146,
0.2687

 31.8945, 0.3005,
0.5981

 59.4471, 0.3150,
0.2550

 31.8655, 0.3004,
0.5997

 60.3230, 0.3163,
0.2536

Harmonies

Analogous

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



38.0664, 0.3585, 0.4191



38.0664, 0.3098, 0.4085



38.0664, 0.2641, 0.3700

Triad

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



38.0664, 0.3098, 0.4085



38.0664, 0.2328, 0.2545



38.0664, 0.3989, 0.3284

Complementary

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



38.0664, 0.3098, 0.4085



28.0052, 0.3149, 0.2602

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.



38.0664, 0.3599, 0.2915



38.0664, 0.3098, 0.4085



38.0664, 0.2634, 0.2503

Square

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



38.0664, 0.3098, 0.4085



38.0664, 0.2222, 0.2783



38.0664, 0.3093, 0.2638



38.0664, 0.4123, 0.3679

Rectangle

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



38.0664, 0.3098, 0.4085



38.0664, 0.2413, 0.3367



38.0664, 0.3093, 0.2638



38.0664, 0.3882, 0.3155

Sweetspot

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



38.0680, 0.3098, 0.4085



76.8438, 0.3120, 0.3493



42.2081, 0.3549, 0.3958



16.8762, 0.3119, 0.3533



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.0680, 0.3098, 0.4085



66.9853, 0.3089, 0.4303



38.6783, 0.2916, 0.3705



9.4978, 0.3119, 0.3525



22.8018, 0.3005, 0.5996



0.7201, 0.3028, 0.5978

Inverse Universe

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



28.0052, 0.3149, 0.2602



45.5679, 0.3153, 0.2444



27.2618, 0.3413, 0.2910



8.6381, 0.3135, 0.3065



8.7839, 0.3161, 0.1515



0.2790, 0.3175, 0.1523

Previews

White Background



This preview shows how the Yxy color 38.0664, 0.3098, 0.4085 looks on a white background.

Color Contrast Check

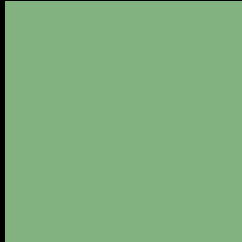
Large Text (above 18pt) WCAG AA × Fail

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 38.0664, 0.3098, 0.4085 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 38.0664, 0.3098, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 38.0664, 0.3098, 0.4085.



This preview shows how white text looks on a background with the Yxy color 38.0664, 0.3098, 0.4085.

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

38.0664, 0.3098, 0.4085

Protanopia

37.6625, 0.3634, 0.3899

Deuteranopia

37.7997, 0.3727, 0.3654



Tritanopia

38.0755, 0.2756, 0.3099

Trichromacy



Original Color

38.0664, 0.3098, 0.4085

Protanomaly

37.6783, 0.3429, 0.3974

Deuteranomaly

37.4572, 0.3478, 0.3797

Tritanomaly

38.1033, 0.2874, 0.3441

Monochromacy



Original Color

38.0664, 0.3098, 0.4085

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.2199, 0.3114, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0664, 0.3098, 0.4085 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(129, 178, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 178, 128)  
}
```

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(129, 178, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 178, 128) }
```

Border

The CSS property to change the border of an element to Yxy 38.0664, 0.3098, 0.4085 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(129, 178, 128) }
```

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

```
.border{ border-color:rgb(129, 178, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 178, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 178, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 178, 128); box-shadow:4px 4px 4px 4px rgb(129, 178, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0664, 0.3098, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 178, 128) }
```

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

```
.background{ background-color: rgb(129,  
178, 128) }
```

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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