

Converting Colors

Yxy(51.6866, 0.2889, 0.4329)

Have a look what the booklet for
Yxy(51.6866, 0.2889, 0.4329)
contains.

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Color

Yxy(51.8911, 0.2890, 0.4327)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6FD38D |
| RGB | 111, 211, 141 |
| RGB Percent | 44%, 83%, 55% |
| CMY | 0.5646, 0.1725, 0.4472 |
| CMYK | 0.47, 0.00, 0.33, 0.17 |
| HSL | 138°, 53%, 63% |
| HSV | 138°, 47%, 83% |
| XYZ | 34.6580, 51.8911, 33.3748 |
| YIQ | 173.1200, -37.1300, -42.9700 |

Conversions

Conversions Part 2

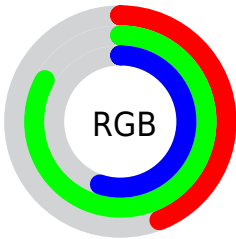
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 111, 188, 211 |
| Decimal | 7328653 |
| CIELab | 77.22, -44.58, 25.87 |
| CIELCh | 77, 51.541, 149.876 |
| Yxy | 51.8911, 0.2890, 0.4327 |
| Android (android.graphics.Color) | 4285518733 (0xFF6FD38D) |
| YUV | 173.1200, -15.8352, -54.4792 |
| Hunter-Lab | 72.0355, -40.1814, 22.9551 |

Details

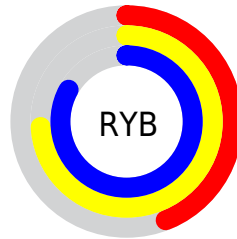
The Yxy color **51.8911, 0.2890, 0.4327** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.5634, 0.3509, 0.2450**, and the grayscale version is **41.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7850, 0.2940, 0.3988**, and **25.2720, 0.2804, 0.4661** is the 20% darker color. If you saturate the color by 10%, you get **50.2710, 0.2859, 0.4595**, and if you desaturate by 10%, it is **53.8975, 0.2931, 0.4071**.

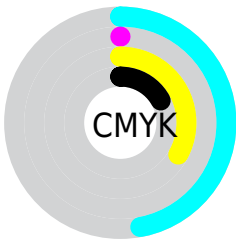
Distribution



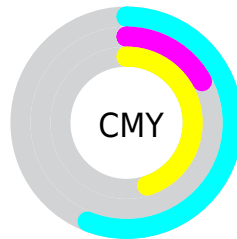
- Red (44%)
- Green (83%)
- Blue (55%)



- Red (44%)
- Yellow (74%)
- Blue (83%)



- Cyan (47%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)





- Cyan (56%)
- Magenta (17%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8911, 0.2890, 0.4327 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 51.8911, 0.2890, 0.4327 by changing the saturation by 10% instead.

 51.8911, 0.2890,
0.4327

 51.8911, 0.2890,
0.4327


394.0160, 0.3023,
0.3786

 36.9183, 0.2852,
0.4468


 92.9706, 0.2942,
0.4126

 25.1442, 0.2801,
0.4653


 119.8461, 0.2960,
0.4052

 16.1845, 0.2727,
0.4904


 151.4579, 0.2975,
0.3989

 9.6548, 0.2616,
0.5263

188.1905, 0.2988,
0.3937

 5.1707, 0.2430,
0.5810

230.4282, 0.2999,
0.3891

 2.3478, 0.2167,
0.7034

278.5554, 0.3008,

 0.7988, 0.0000,

0.3852

1.0000

332.9566, 0.3016,
0.3817

0.0000, 0.0000,
0.0000

51.8911, 0.2890,
0.4327

51.8911, 0.2890,
0.4327

50.2710, 0.2859,
0.4595

53.8975, 0.2931,
0.4071

49.0053, 0.2842,
0.4865

56.3068, 0.2979,
0.3832

48.0675, 0.2840,
0.5125


59.1423, 0.3032,
0.3614


47.4245, 0.2855,
0.5362

62.4238, 0.3087,
0.3420

47.0313, 0.2884,
0.5564

66.1695, 0.3141,
0.3247

 46.9507, 0.2892,
0.5612

 70.3970, 0.3195,
0.3095

 74.4081, 0.3220,
0.2960

 75.0697, 0.3147,
0.2861

Harmonies

Analogous

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



51.8911, 0.3561, 0.4568



51.8911, 0.2890, 0.4327



51.8911, 0.2318, 0.3682

Triad

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



51.8911, 0.2890, 0.4327



51.8911, 0.2130, 0.2243



51.8911, 0.4421, 0.3390

Complementary

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



51.8911, 0.2890, 0.4327



28.5634, 0.3509, 0.2450

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.



51.8911, 0.3950, 0.2893



51.8911, 0.2890, 0.4327



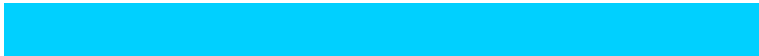
51.8911, 0.2591, 0.2264

Square

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



51.8911, 0.2890, 0.4327



51.8911, 0.1923, 0.2470



51.8911, 0.3252, 0.2496



51.8911, 0.4482, 0.3911

Rectangle

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



51.8911, 0.2890, 0.4327



51.8911, 0.2064, 0.3193



51.8911, 0.3252, 0.2496



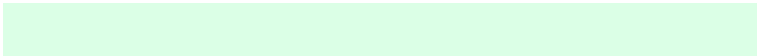
51.8911, 0.4304, 0.3218

Sweetspot

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



51.8932, 0.2890, 0.4327



92.3393, 0.3050, 0.3549



57.7657, 0.3587, 0.4542



19.5386, 0.3038, 0.3593



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.



51.8932, 0.2890, 0.4327



77.1183, 0.2859, 0.4601



53.6601, 0.2616, 0.3592



13.2637, 0.3076, 0.3457



28.3499, 0.2885, 0.5586



1.5992, 0.2780, 0.5207

Inverse Universe

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



28.5634, 0.3509, 0.2450



37.0635, 0.3625, 0.2293



26.9095, 0.4130, 0.3023



11.9462, 0.3183, 0.3129



9.6635, 0.4136, 0.2052



0.5540, 0.3927, 0.1937

Previews

White Background



This preview shows how the Yxy color 51.8911, 0.2890, 0.4327 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 51.8911, 0.2890, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

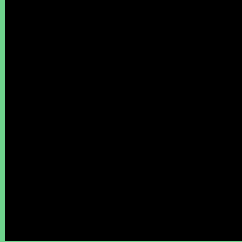
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8911, 0.2890, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 51.8911, 0.2890, 0.4327.

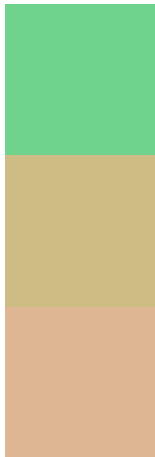


This preview shows how white text looks on a background with the Yxy color 51.8911, 0.2890, 0.4327.

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

51.8911, 0.2890, 0.4327

Protanopia

51.0403, 0.3721, 0.3995

Deuteranopia

51.0921, 0.3779, 0.3704



Tritanopia

51.5024, 0.2534, 0.3063

Trichromacy



Original Color

51.8911, 0.2890, 0.4327



Protanomaly

50.3397, 0.3373, 0.4128



Deuteranomaly

50.1293, 0.3402, 0.3923



Tritanomaly

51.5179, 0.2659, 0.3498

Monochromacy



Original Color

51.8911, 0.2890, 0.4327



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.5979, 0.3021, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8911, 0.2890, 0.4327 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(111, 211, 141)` looks like.

```
.text, #text, p{  
    color:rgb(111, 211, 141)  
}
```

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(111, 211, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 211, 141) }
```

Border

The CSS property to change the border of an element to Yxy 51.8911, 0.2890, 0.4327 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(111, 211, 141) }
```

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

```
.border{ border-color:rgb(111, 211, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 211, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 211, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 211, 141);  
box-shadow:4px 4px 4px 4px rgb(111, 211,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8911, 0.2890, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 211, 141) }
```

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

```
.background{ background-color: rgb(111,  
211, 141) }
```

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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