

# Converting Colors

Yxy(51.3076, 0.2938, 0.4131)

Have a look what the booklet for  
Yxy(51.3076, 0.2938, 0.4131)  
contains.

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# Color

**Yxy(51.3076, 0.2938, 0.4131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FCF95
RGB	127, 207, 149
RGB Percent	50%, 81%, 58%
CMY	0.5019, 0.1882, 0.4158
CMYK	0.39, 0.00, 0.28, 0.19
HSL	136°, 45%, 65%
HSV	136°, 39%, 81%
XYZ	36.4904, 51.3076, 36.4034
YIQ	176.4680, -29.0620, -34.9980

# Conversions

## Conversions Part 2

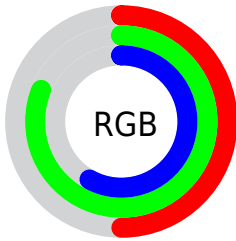
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 190, 207</a>
Decimal	<a href="#">8376213</a>
CIELab	<a href="#">76.86, -36.88, 21.30</a>
CIELCh	<a href="#">77, 42.591, 149.991</a>
Yxy	<a href="#">51.3076, 0.2938, 0.4131</a>
Android (android.graphics.Color)	<a href="#">4286566293 (0xFF7FCF95)</a>
YUV	<a href="#">176.4680, -13.5417, -43.3834</a>
Hunter-Lab	<a href="#">71.6293, -34.4174, 20.0082</a>

# Details

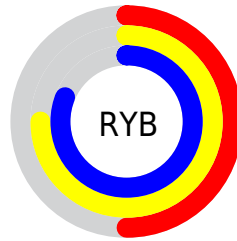
The Yxy color **51.3076, 0.2938, 0.4131** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.9541, 0.3396, 0.2579**, and the grayscale version is **43.7588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7769, 0.2976, 0.3878**, and **24.7548, 0.2868, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **49.4309, 0.2900, 0.4398**, and if you desaturate by 10%, it is **53.5769, 0.2983, 0.3881**.

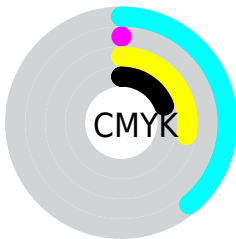
# Distribution



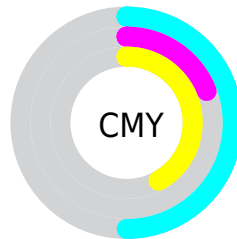
- Red (50%)
- Green (81%)
- Blue (58%)



- Red (50%)
- Yellow (75%)
- Blue (81%)



- Cyan (39%)
- Magenta (0%)
- Yellow (28%)
- Black (19%)




- Cyan (50%)
- Magenta (19%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3076, 0.2938, 0.4131 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 51.3076, 0.2938, 0.4131 by changing the saturation by 10% instead.




 51.3076, 0.2938,  
0.4131

 51.3076, 0.2938,  
0.4131


391.7577, 0.3042,  
0.3696


 36.4535, 0.2909,  
0.4244


 92.1093, 0.2978,  
0.3969

 24.7846, 0.2870,  
0.4392

 118.8256, 0.2993,  
0.3910

 15.9167, 0.2814,  
0.4592


 150.2649, 0.3004,  
0.3860

 9.4652, 0.2730,  
0.4879

186.8113, 0.3014,  
0.3817

 5.0458, 0.2592,  
0.5319

228.8495, 0.3023,  
0.3780

 2.2742, 0.2369,  
0.6159

276.7636, 0.3030,

 0.7600, 0.0000,

0.3748

1.0000

330.9382, 0.3037,  
0.3720

0.0000, 0.0000,  
0.0000

51.3076, 0.2938,  
0.4131

51.3076, 0.2938,  
0.4131

49.4309, 0.2900,  
0.4398

53.5769, 0.2983,  
0.3881

47.9179, 0.2873,  
0.4675

56.2532, 0.3032,  
0.3653

46.7460, 0.2858,  
0.4952


59.3576, 0.3083,  
0.3448


45.8871, 0.2859,  
0.5214


62.9081, 0.3134,  
0.3267


45.3083, 0.2875,  
0.5448


66.9216, 0.3184,  
0.3107

 44.9597, 0.2904,  
0.5643

 71.4141, 0.3232,  
0.2968

 44.9208, 0.2907,  
0.5667

 73.0492, 0.3155,  
0.2830

 73.1071, 0.3149,  
0.2821

# Harmonies

## Analogous

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



51.3076, 0.3503, 0.4342



51.3076, 0.2938, 0.4131



51.3076, 0.2451, 0.3614

# Triad

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



51.3076, 0.2938, 0.4131



51.3076, 0.2285, 0.2404



51.3076, 0.4200, 0.3392

# Complementary

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



51.3076, 0.2938, 0.4131



31.9541, 0.3396, 0.2579

# 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.



51.3076, 0.3813, 0.2962



51.3076, 0.2938, 0.4131



51.3076, 0.2683, 0.2416

# Square

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



51.3076, 0.2938, 0.4131



51.3076, 0.2104, 0.2608



51.3076, 0.3240, 0.2616



51.3076, 0.4260, 0.3836



# Rectangle

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



51.3076, 0.2938, 0.4131



51.3076, 0.2230, 0.3219



51.3076, 0.3240, 0.2616



51.3076, 0.4103, 0.3244

# Sweetspot

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



51.3097, 0.2938, 0.4131



93.3031, 0.3065, 0.3517



56.5582, 0.3524, 0.4303



19.8283, 0.3058, 0.3544



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.



51.3097, 0.2938, 0.4131



79.7963, 0.2907, 0.4341



52.7861, 0.2700, 0.3547



13.2588, 0.3079, 0.3463



28.3150, 0.2901, 0.5643



1.5967, 0.2797, 0.5269



# Inverse Universe

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



31.9541, 0.3396, 0.2579



44.6678, 0.3471, 0.2438



30.5149, 0.3852, 0.3054



11.9514, 0.3179, 0.3123



9.7653, 0.4045, 0.2002



0.5590, 0.3857, 0.1899



# Previews

## White Background



This preview shows how the Yxy color 51.3076, 0.2938, 0.4131 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 51.3076, 0.2938, 0.4131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

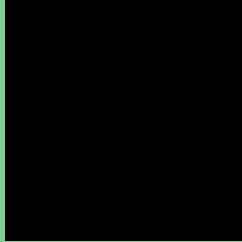
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.3076, 0.2938, 0.4131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3076, 0.2938, 0.4131.

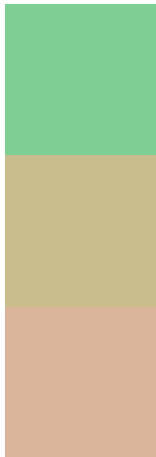


This preview shows how white text looks on a background with the Yxy color 51.3076, 0.2938, 0.4131.

# 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

51.3076, 0.2938, 0.4131

### Protanopia

50.8748, 0.3622, 0.3891

### Deuteranopia

50.4744, 0.3685, 0.3601



## **Tritanopia**

51.3646, 0.2621, 0.3092

# Trichromacy



## Original Color

51.3076, 0.2938, 0.4131



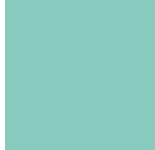
## Protanomaly

50.6074, 0.3343, 0.3986



## Deuteranomaly

49.5659, 0.3381, 0.3774



## Tritanomaly

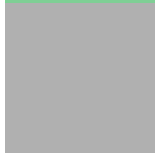
51.1930, 0.2737, 0.3454

# Monochromacy



## Original Color

51.3076, 0.2938, 0.4131



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.5629, 0.3048, 0.3584

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3076, 0.2938, 0.4131 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(127, 207, 149)` looks like.

```
.text, #text, p{  
    color:rgb(127, 207, 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(127, 207, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 207, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3076, 0.2938, 0.4131 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(127, 207, 149) }
```

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

```
.border{ border-color:rgb(127, 207, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 207, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 207, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 207, 149); box-shadow:4px 4px 4px 4px rgb(127, 207, 149) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3076, 0.2938, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 207, 149) }
```

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

```
.background{ background-color: rgb(127,  
207, 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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