

# Converting Colors

$Yxy(53.7977, 0.2579, 0.3767)$

Have a look what the booklet for  
Yxy(53.7977, 0.2579, 0.3767)  
contains.

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# Color

**Yxy(53.7046, 0.2580, 0.3765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CD6B5
RGB	92, 214, 181
RGB Percent	36%, 84%, 71%
CMY	0.6391, 0.1608, 0.2902
CMYK	0.57, 0.00, 0.15, 0.16
HSL	164°, 60%, 60%
HSV	164°, 57%, 84%
XYZ	36.8016, 53.7046, 52.1355
YIQ	173.7600, -62.1190, -36.1270

# Conversions

## Conversions Part 2

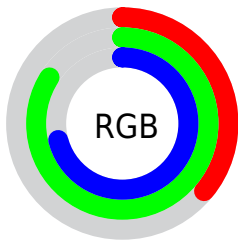
<b>Format</b>	<b>Color</b>
<b>RYB</b>	92, 163, 214
Decimal	6084277
CIELab	78.29, -41.99, 6.10
CIELCh	78, 42.431, 171.733
Yxy	53.7046, 0.2580, 0.3765
Android (android.graphics.Color)	4284274357 (0xFF5CD6B5)
YUV	173.7600, 3.5693, -71.7035
Hunter-Lab	73.2834, -38.6066, 9.1181

# Details

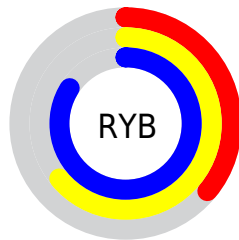
The Yxy color **53.7046, 0.2580, 0.3765** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **23.4377, 0.4365, 0.2901**, and the grayscale version is **42.2075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3098, 0.2652, 0.3494**, and **26.0904, 0.2430, 0.3896** is the 20% darker color. If you saturate the color by 10%, you get **52.5226, 0.2530, 0.3865**, and if you desaturate by 10%, it is **55.2119, 0.2648, 0.3668**.

# Distribution



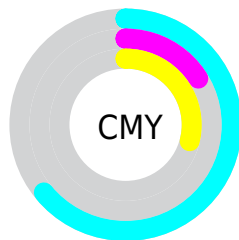
- Red (36%)
- Green (84%)
- Blue (71%)



- Red (36%)
- Yellow (64%)
- Blue (84%)



- Cyan (57%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)




- Cyan (64%)
- Magenta (16%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7046, 0.2580, 0.3765 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 53.7046, 0.2580, 0.3765 by changing the saturation by 10% instead.





 53.7046, 0.2580,  
0.3765

 53.7046, 0.2580,  
0.3765


400.9826, 0.2849,  
0.3527

 38.3655, 0.2515,  
0.3824


 95.6404, 0.2676,  
0.3679

 26.2665, 0.2432,  
0.3900


 123.0059, 0.2713,  
0.3646

 17.0231, 0.2323,  
0.4001


 155.1490, 0.2744,  
0.3619

 10.2510, 0.2175,  
0.4141

 192.4541, 0.2771,  
0.3595

 5.5657, 0.1962,  
0.4349

235.3057, 0.2794,  
0.3575

 2.5828, 0.1634,  
0.4686

284.0880, 0.2815,

 0.9180, 0.0000,

0.3557

0.6159

339.1855, 0.2833,  
0.3541

■ 0.0000, 0.0000,  
0.0000

■ 53.7046, 0.2580,  
0.3765

■ 53.7046, 0.2580,  
0.3765

■ 52.5226, 0.2530,  
0.3865

■ 55.2119, 0.2648,  
0.3668

■ 51.6326, 0.2499,  
0.3967

■ 57.0622, 0.2732,  
0.3576

■ 51.0049, 0.2488,  
0.4070

■ 59.2792, 0.2828,  
0.3490

■ 50.5980, 0.2496,  
0.4171

■ 61.8827, 0.2934,  
0.3410

■ 50.4971, 0.2500,  
0.4201

■ 64.8911, 0.3046,  
0.3337

■ 68.3217, 0.3162,  
0.3271

■ 72.1906, 0.3281,  
0.3212

■ 74.9182, 0.3337,  
0.3157

■ 75.2441, 0.3296,  
0.3100

# Harmonies

## Analogous

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



53.7046, 0.3094, 0.4207



53.7046, 0.2580, 0.3765



53.7046, 0.2232, 0.3189

# Triad

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



53.7046, 0.2580, 0.3765



53.7046, 0.2564, 0.2408



53.7046, 0.4257, 0.3712

# Complementary

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



53.7046, 0.2580, 0.3765



23.4377, 0.4365, 0.2901

# 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.



53.7046, 0.4104, 0.3271



53.7046, 0.2580, 0.3765



53.7046, 0.3078, 0.2557

# Square

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



53.7046, 0.2580, 0.3765



53.7046, 0.2228, 0.2452



53.7046, 0.3655, 0.2863



53.7046, 0.4076, 0.4101



# Rectangle

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



53.7046, 0.2580, 0.3765



53.7046, 0.2126, 0.2852



53.7046, 0.3655, 0.2863



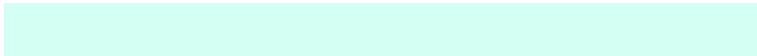
53.7046, 0.4244, 0.3566

# Sweetspot

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



53.7067, 0.2580, 0.3765



91.9523, 0.2932, 0.3411



53.3479, 0.3252, 0.5003



19.5036, 0.2910, 0.3427



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.



53.7067, 0.2580, 0.3765



77.8533, 0.2523, 0.3882



42.9170, 0.2336, 0.2911



14.0478, 0.3018, 0.3354



30.5398, 0.2496, 0.4186



1.8555, 0.2448, 0.4011



# Inverse Universe

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



23.4377, 0.4365, 0.2901



28.8070, 0.4787, 0.2864



28.1345, 0.4641, 0.3608



12.4755, 0.3249, 0.3227



8.8403, 0.5849, 0.2996



0.5471, 0.5349, 0.2720



# Previews

## White Background



This preview shows how the Yxy color 53.7046, 0.2580, 0.3765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

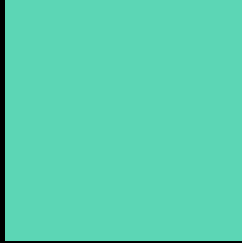
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7046, 0.2580, 0.3765 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

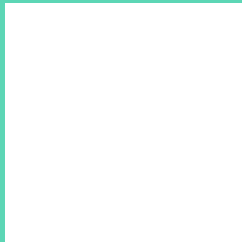
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.7046, 0.2580, 0.3765**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7046, 0.2580, 0.3765.

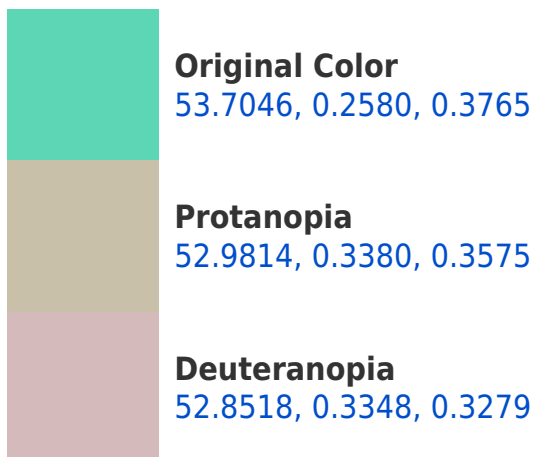


This preview shows how white text looks on a background with the Yxy color 53.7046, 0.2580, 0.3765.

# 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

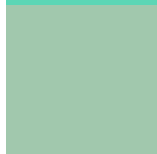
53.6738, 0.2409, 0.3063

# Trichromacy



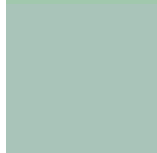
## Original Color

53.7046, 0.2580, 0.3765



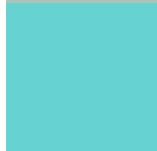
## Protanomaly

51.9028, 0.3019, 0.3653



## Deuteranomaly

51.4177, 0.2996, 0.3434



## Tritanomaly

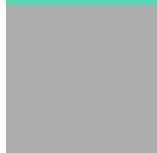
53.5214, 0.2470, 0.3302

# Monochromacy



## Original Color

53.7046, 0.2580, 0.3765



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.4988, 0.2861, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.7046, 0.2580, 0.3765 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(92, 214, 181)` looks like.

```
.text, #text, p{  
  color:rgb(92, 214, 181)  
}
```

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(92, 214, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 214, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7046, 0.2580, 0.3765 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(92, 214, 181) }
```

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

```
.border{ border-color:rgb(92, 214, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 214, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 214, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 214, 181);  
box-shadow:4px 4px 4px 4px rgb(92, 214,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7046, 0.2580, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 214, 181) }
```

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

```
.background{ background-color: rgb(92, 214,  
181) }
```

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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