

# Converting Colors

$Yxy(52.3751, 0.2666, 0.4092)$

Have a look what the booklet for  
Yxy(52.3751, 0.2666, 0.4092)  
contains.

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# Color

**Yxy(52.6096, 0.2665, 0.4096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56D6A0
RGB	86, 214, 160
RGB Percent	34%, 84%, 63%
CMY	0.6627, 0.1608, 0.3726
CMYK	0.60, 0.00, 0.25, 0.16
HSL	155°, 61%, 59%
HSV	155°, 60%, 84%
XYZ	34.2296, 52.6096, 41.6022
YIQ	169.5720, -58.9540, -43.9300

# Conversions

## Conversions Part 2

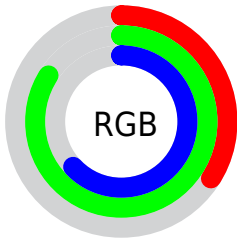
Format	Color
<a href="#">RYB</a>	<a href="#">86, 167, 214</a>
Decimal	<a href="#">5691040</a>
CIELab	<a href="#">77.64, -47.90, 16.33</a>
CIELCh	<a href="#">78, 50.610, 161.179</a>
Yxy	<a href="#">52.6096, 0.2665, 0.4096</a>
Android (android.graphics.Color)	<a href="#">4283881120 (0xFF56D6A0)</a>
YUV	<a href="#">169.5720, -4.7190, -73.2926</a>
Hunter-Lab	<a href="#">72.5325, -42.6938, 16.7660</a>

# Details

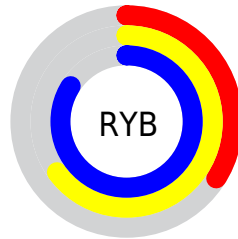
The Yxy color **52.6096, 0.2665, 0.4096** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **22.8497, 0.4163, 0.2657**, and the grayscale version is **40.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5373, 0.2728, 0.3761**, and **25.5364, 0.2540, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **51.4385, 0.2633, 0.4260**, and if you desaturate by 10%, it is **54.1119, 0.2715, 0.3937**.

# Distribution



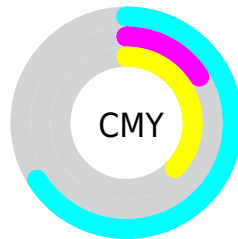
- Red (34%)
- Green (84%)
- Blue (63%)



- Red (34%)
- Yellow (65%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)




- Cyan (66%)
- Magenta (16%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6096, 0.2665, 0.4096 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 52.6096, 0.2665, 0.4096 by changing the saturation by 10% instead.





 52.6096, 0.2665,  
0.4096


 52.6096, 0.2665,  
0.4096


396.7855, 0.2901,  
0.3680

 37.4912, 0.2605,  
0.4203


 94.0297, 0.2752,  
0.3942


 25.5880, 0.2527,  
0.4343


 121.1001, 0.2784,  
0.3885

 16.5157, 0.2423,  
0.4533


 152.9233, 0.2811,  
0.3837

 9.8898, 0.2275,  
0.4804

 189.8838, 0.2834,  
0.3797

 5.3260, 0.2054,  
0.5218

232.3658, 0.2854,  
0.3762

 2.4398, 0.1671,  
0.5933

280.7539, 0.2872,

 0.8462, 0.0000,

0.3731

1.0000

335.4323, 0.2887,  
0.3704

0.0000, 0.0000,  
0.0000

52.6096, 0.2665,  
0.4096

52.6096, 0.2665,  
0.4096

51.4385, 0.2633,  
0.4260

54.1119, 0.2715,  
0.3937

50.5638, 0.2620,  
0.4426

55.9642, 0.2781,  
0.3785

49.9537, 0.2628,  
0.4590

58.1911, 0.2858,  
0.3643

49.5491, 0.2653,  
0.4748

60.8133, 0.2943,  
0.3513

49.5420, 0.2653,  
0.4751

63.8498, 0.3035,  
0.3394

■ 67.3185, 0.3129,  
0.3288

■ 71.2361, 0.3224,  
0.3193

■ 75.1947, 0.3302,  
0.3108

■ 75.7220, 0.3239,  
0.3020

# Harmonies

## Analogous

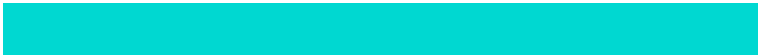
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.6096, 0.3307, 0.4505



52.6096, 0.2665, 0.4096



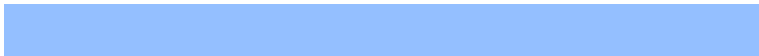
52.6096, 0.2180, 0.3400

# Triad

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



52.6096, 0.2665, 0.4096



52.6096, 0.2293, 0.2244



52.6096, 0.4465, 0.3584

# Complementary

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



52.6096, 0.2665, 0.4096



22.8497, 0.4163, 0.2657

# 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.



52.6096, 0.4144, 0.3079



52.6096, 0.2665, 0.4096



52.6096, 0.2830, 0.2347

# Square

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



52.6096, 0.2665, 0.4096



52.6096, 0.1993, 0.2373



52.6096, 0.3516, 0.2642



52.6096, 0.4371, 0.4083



# Rectangle

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



52.6096, 0.2665, 0.4096



52.6096, 0.1997, 0.2953



52.6096, 0.3516, 0.2642



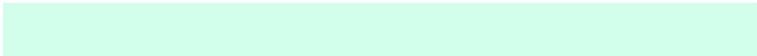
52.6096, 0.4403, 0.3412

# Sweetspot

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



52.6117, 0.2665, 0.4096



91.1244, 0.2958, 0.3493



54.4717, 0.3387, 0.5014



19.2394, 0.2932, 0.3529



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.



52.6117, 0.2665, 0.4096



76.0696, 0.2627, 0.4309



50.7228, 0.2369, 0.3169



14.0151, 0.3038, 0.3390



29.9651, 0.2647, 0.4728



1.8237, 0.2570, 0.4453



# Inverse Universe

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



22.8497, 0.4163, 0.2657



27.9838, 0.4526, 0.2588



23.0727, 0.4919, 0.3391



12.5069, 0.3226, 0.3192



9.1104, 0.5274, 0.2679



0.5658, 0.4832, 0.2435



# Previews

## White Background



This preview shows how the Yxy color 52.6096, 0.2665, 0.4096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

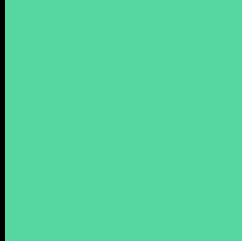
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.6096, 0.2665, 0.4096 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 52.6096, 0.2665, 0.4096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6096, 0.2665, 0.4096.



This preview shows how white text looks on a background with the Yxy color 52.6096, 0.2665, 0.4096.

# 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

52.6096, 0.2665, 0.4096

### Protanopia

51.6933, 0.3563, 0.3800

### Deuteranopia

51.4087, 0.3557, 0.3482



## Tritanopia

52.5423, 0.2417, 0.3074

# Trichromacy



## Original Color

52.6096, 0.2665, 0.4096



## Protanomaly

50.6203, 0.3151, 0.3922



## Deuteranomaly

49.6989, 0.3148, 0.3694



## Tritanomaly

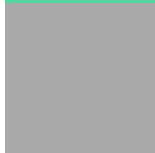
52.3771, 0.2504, 0.3429

# Monochromacy



## Original Color

52.6096, 0.2665, 0.4096



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

43.3600, 0.2899, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6096, 0.2665, 0.4096 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(86, 214, 160)` looks like.

```
.text, #text, p{  
    color:rgb(86, 214, 160)  
}
```

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(86, 214, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 214, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6096, 0.2665, 0.4096 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(86, 214, 160) }
```

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

```
.border{ border-color:rgb(86, 214, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 214, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 214, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 214, 160);  
box-shadow:4px 4px 4px 4px rgb(86, 214,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6096, 0.2665, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 214, 160) }
```

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

```
.background{ background-color: rgb(86, 214,  
160) }
```

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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