

# Converting Colors

Yxy(58.5402, 0.2876, 0.4717)

Have a look what the booklet for  
Yxy(58.5402, 0.2876, 0.4717)  
contains.

<b>Yxy(58.7720, 0.2875, 0.4723)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(58.7720, 0.2875, 0.4723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CE380
RGB	92, 227, 128
RGB Percent	36%, 89%, 50%
CMY	0.6394, 0.1098, 0.4979
CMYK	0.59, 0.00, 0.44, 0.11
HSL	136°, 71%, 63%
HSV	136°, 59%, 89%
XYZ	35.7759, 58.7720, 29.8900
YIQ	175.3490, -48.6810, -59.4090

# Conversions

## Conversions Part 2

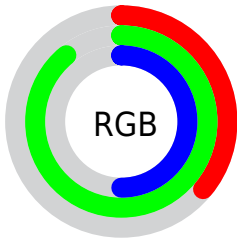
Format	Color
<b>RYB</b>	92, 199, 227
Decimal	6087552
CIELab	81.17, -57.81, 37.55
CIELCh	81, 68.931, 146.997
Yxy	58.7720, 0.2875, 0.4723
Android (android.graphics.Color)	4284277632 (0xFF5CE380)
YUV	175.3490, -23.3431, -73.0971
Hunter-Lab	76.6629, -50.8604, 30.5475

# Details

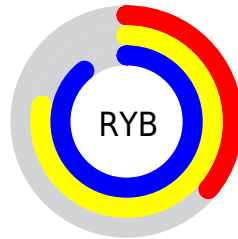
The Yxy color **58.7720, 0.2875, 0.4723** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **27.7343, 0.3596, 0.2221**, and the grayscale version is **43.1966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6697, 0.2925, 0.4167**, and **29.2853, 0.2764, 0.5152** is the 20% darker color. If you saturate the color by 10%, you get **57.3733, 0.2862, 0.5002**, and if you desaturate by 10%, it is **60.5975, 0.2901, 0.4441**.

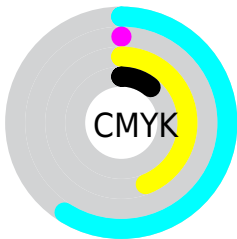
# Distribution



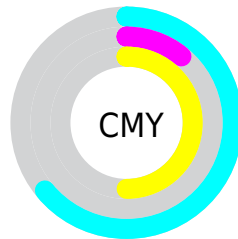
- Red (36%)
- Green (89%)
- Blue (50%)



- Red (36%)
- Yellow (78%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7720, 0.2875, 0.4723 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 58.7720, 0.2875, 0.4723 by changing the saturation by 10% instead.




 58.7720, 0.2875,  
0.4723


 58.7720, 0.2875,  
0.4723


420.0565, 0.3028,  
0.3981


 42.4296, 0.2829,  
0.4913


 103.0462, 0.2937,  
0.4449


 29.4378, 0.2765,  
0.5158


 131.7468, 0.2958,  
0.4348

 19.4123, 0.2672,  
0.5485


 165.3356, 0.2975,  
0.4262

 11.9686, 0.2530,  
0.5936

 204.1970, 0.2989,  
0.4189

 6.7223, 0.2295,  
0.6587

248.7154, 0.3001,  
0.4126

 3.2890, 0.1988,  
0.8012

299.2752, 0.3011,

 1.2844, 0.0000,

0.4072

1.0000

356.2607, 0.3020,  
0.4024

■ 0.1291, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7720, 0.2875,  
0.4723

■ 58.7720, 0.2875,  
0.4723

■ 57.3733, 0.2862,  
0.5002

■ 60.5975, 0.2901,  
0.4441

■ 56.3582, 0.2865,  
0.5264


■ 62.8740, 0.2937,  
0.4168


■ 55.6869, 0.2883,  
0.5495

■ 65.6327, 0.2981,  
0.3912

■ 55.2924, 0.2913,  
0.5683


■ 68.8995, 0.3029,  
0.3678

 55.2761, 0.2914,  
0.5691

 72.6989, 0.3079,  
0.3468

 77.0533, 0.3130,  
0.3281

 81.9843, 0.3179,  
0.3118

 83.4229, 0.3140,  
0.3019

# Harmonies

## Analogous

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



58.7720, 0.3710, 0.4927



58.7720, 0.2875, 0.4723



58.7720, 0.2154, 0.3884

# Triad

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



58.7720, 0.2875, 0.4723



58.7720, 0.1858, 0.2006



58.7720, 0.4747, 0.3313

# Complementary

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



58.7720, 0.2875, 0.4723



27.7343, 0.3596, 0.2221

# 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.



58.7720, 0.4098, 0.2731



58.7720, 0.2875, 0.4723



58.7720, 0.2379, 0.2017

# Square

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



58.7720, 0.2875, 0.4723



58.7720, 0.1642, 0.2290



58.7720, 0.3185, 0.2274



58.7720, 0.4850, 0.3944



# Rectangle

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



58.7720, 0.2875, 0.4723



58.7720, 0.1835, 0.3226



58.7720, 0.3185, 0.2274



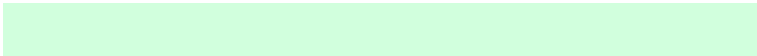
58.7720, 0.4584, 0.3111

# Sweetspot

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



58.7744, 0.2875, 0.4723



90.3298, 0.3036, 0.3648



66.7897, 0.3687, 0.4840



19.0467, 0.3021, 0.3713



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.



58.7744, 0.2875, 0.4723



74.3871, 0.2862, 0.5055



61.1776, 0.2540, 0.3719



16.1521, 0.3079, 0.3467



32.2510, 0.2907, 0.5667



2.3984, 0.2828, 0.5380



# Inverse Universe

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



27.7343, 0.3596, 0.2221



30.6375, 0.3726, 0.2079



25.4178, 0.4534, 0.2947



14.5460, 0.3179, 0.3119



11.1577, 0.4022, 0.1989

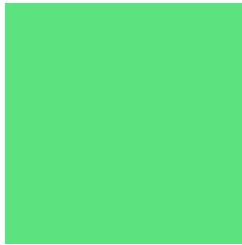


0.8397, 0.3877, 0.1909



# Previews

## White Background



This preview shows how the Yxy color 58.7720, 0.2875, 0.4723 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 58.7720, 0.2875, 0.4723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

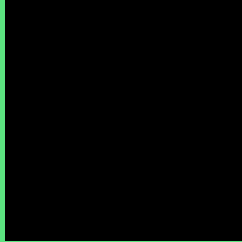
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.7720, 0.2875, 0.4723**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7720, 0.2875, 0.4723.



This preview shows how white text looks on a background with the Yxy color 58.7720, 0.2875, 0.4723.

# 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

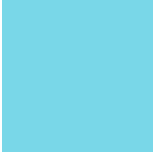
58.7720, 0.2875, 0.4723

### Protanopia

57.6766, 0.3899, 0.4232

### Deuteranopia

57.3899, 0.3982, 0.3895



## **Tritanopia**

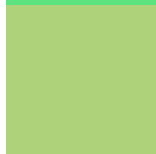
58.4920, 0.2455, 0.3072

# Trichromacy



## Original Color

58.7720, 0.2875, 0.4723



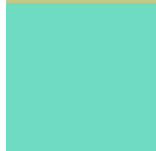
## Protanomaly

56.3826, 0.3444, 0.4434



## Deuteranomaly

55.3183, 0.3495, 0.4196



## Tritanomaly

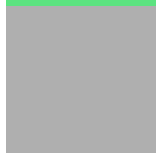
57.8731, 0.2604, 0.3631

# Monochromacy



## Original Color

58.7720, 0.2875, 0.4723



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

47.0719, 0.3003, 0.3806

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7720, 0.2875, 0.4723 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, 227, 128)` looks like.

```
.text, #text, p{  
  color:rgb(92, 227, 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(92, 227, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 227, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7720, 0.2875, 0.4723 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, 227, 128) }
```

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

```
.border{ border-color:rgb(92, 227, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 227, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 227, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 227, 128);  
box-shadow:4px 4px 4px 4px rgb(92, 227,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7720, 0.2875, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 227, 128) }
```

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

```
.background{ background-color: rgb(92, 227,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor