

# Converting Colors

Yxy(57.6130, 0.2951, 0.4433)

Have a look what the booklet for  
Yxy(57.6130, 0.2951, 0.4433)  
contains.

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# Color

**Yxy(57.5994, 0.2952, 0.4436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78DD8C
RGB	120, 221, 140
RGB Percent	47%, 87%, 55%
CMY	0.5297, 0.1333, 0.4509
CMYK	0.46, 0.00, 0.37, 0.13
HSL	132°, 60%, 67%
HSV	132°, 46%, 87%
XYZ	38.3303, 57.5994, 33.9156
YIQ	181.5670, -34.1950, -46.6030

# Conversions

## Conversions Part 2

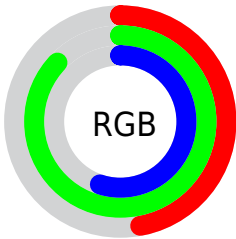
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 204, 221
Decimal	7921036
CIELab	80.52, -46.61, 30.83
CIElCh	81, 55.884, 146.515
Yxy	57.5994, 0.2952, 0.4436
Android (android.graphics.Color)	4286111116 (0xFF78DD8C)
YUV	181.5670, -20.4925, -53.9943
Hunter-Lab	75.8943, -42.6637, 26.6305

# Details

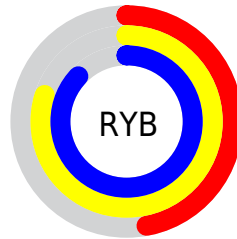
The Yxy color **57.5994, 0.2952, 0.4436** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.0057, 0.3382, 0.2372**, and the grayscale version is **46.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7622, 0.2995, 0.3990**, and **28.6557, 0.2875, 0.4778** is the 20% darker color. If you saturate the color by 10%, you get **55.7196, 0.2926, 0.4739**, and if you desaturate by 10%, it is **59.9327, 0.2985, 0.4144**.

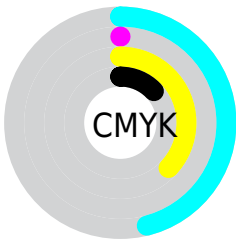
# Distribution



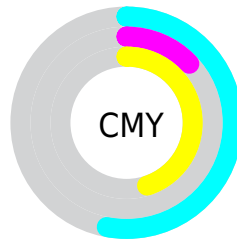
- Red (47%)
- Green (87%)
- Blue (55%)



- Red (47%)
- Yellow (80%)
- Blue (87%)



- Cyan (46%)
- Magenta (0%)
- Yellow (37%)
- Black (13%)




- Cyan (53%)
- Magenta (13%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5994, 0.2952, 0.4436 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 57.5994, 0.2952, 0.4436 by changing the saturation by 10% instead.



 57.5994, 0.2952,  
0.4436

 57.5994, 0.2952,  
0.4436


415.6916, 0.3057,  
0.3847


 41.4867, 0.2920,  
0.4586

 101.3393, 0.2994,  
0.4219

 28.6996, 0.2877,  
0.4781


 129.7352, 0.3009,  
0.4139

 18.8537, 0.2814,  
0.5041


 162.9943, 0.3021,  
0.4071

 11.5646, 0.2716,  
0.5404

201.5010, 0.3030,  
0.4013

 6.4479, 0.2552,  
0.5939

245.6397, 0.3039,  
0.3963

 3.1193, 0.2313,  
0.6977

295.7947, 0.3046,

 1.1943, 0.0000,

0.3919

1.0000

352.3506, 0.3052,  
0.3881

■ 0.0571, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5994, 0.2952,  
0.4436

■ 57.5994, 0.2952,  
0.4436

■ 55.7196, 0.2926,  
0.4739

■ 59.9327, 0.2985,  
0.4144

■ 54.2565, 0.2911,  
0.5039


■ 62.7390, 0.3023,  
0.3872


■ 53.1796, 0.2908,  
0.5319

■ 66.0454, 0.3063,  
0.3625

■ 52.4507, 0.2918,  
0.5562


■ 69.8748, 0.3104,  
0.3404

 52.0232, 0.2940,  
0.5752

 74.2488, 0.3144,  
0.3210

 51.9003, 0.2949,  
0.5817

 79.1874, 0.3183,  
0.3041

 80.1991, 0.3143,  
0.2960

# Harmonies

## Analogous

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



57.5994, 0.3652, 0.4625



57.5994, 0.2952, 0.4436



57.5994, 0.2337, 0.3787

# Triad

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



57.5994, 0.2952, 0.4436



57.5994, 0.2052, 0.2213



57.5994, 0.4446, 0.3328

# Complementary

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



57.5994, 0.2952, 0.4436



33.0057, 0.3382, 0.2372

# 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.



57.5994, 0.3913, 0.2822



57.5994, 0.2952, 0.4436



57.5994, 0.2500, 0.2209

# Square

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



57.5994, 0.2952, 0.4436



57.5994, 0.1868, 0.2476



57.5994, 0.3172, 0.2427



57.5994, 0.4558, 0.3870



# Rectangle

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



57.5994, 0.2952, 0.4436



57.5994, 0.2054, 0.3268



57.5994, 0.3172, 0.2427



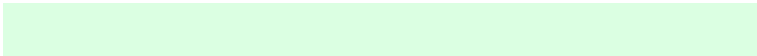
57.5994, 0.4309, 0.3152

# Sweetspot

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



57.6018, 0.2952, 0.4436



92.1393, 0.3070, 0.3587



65.6975, 0.3655, 0.4468



19.4903, 0.3061, 0.3638



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.



57.6018, 0.2952, 0.4436



77.1195, 0.2927, 0.4730



59.3821, 0.2682, 0.3723



14.6483, 0.3089, 0.3483



30.1589, 0.2943, 0.5796



1.9662, 0.2860, 0.5497



# Inverse Universe

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



33.0057, 0.3382, 0.2372



39.0179, 0.3453, 0.2200



31.0572, 0.3954, 0.2911



13.2282, 0.3168, 0.3105



10.7924, 0.3783, 0.1858



0.7107, 0.3672, 0.1796



# Previews

## White Background



This preview shows how the Yxy color 57.5994, 0.2952, 0.4436 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 57.5994, 0.2952, 0.4436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

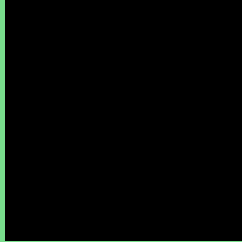
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5994, 0.2952, 0.4436**

## Background



This preview shows how black text looks on a background with the Yxy color 57.5994, 0.2952, 0.4436.

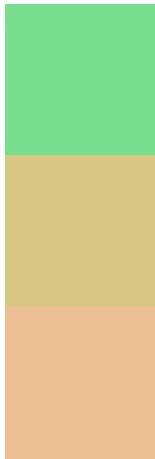


This preview shows how white text looks on a background with the Yxy color 57.5994, 0.2952, 0.4436.

# 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

57.5994, 0.2952, 0.4436

### Protanopia

57.0845, 0.3784, 0.4088

### Deuteranopia

56.5957, 0.3862, 0.3773



## **Tritanopia**

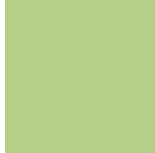
57.2147, 0.2564, 0.3074

# Trichromacy



## Original Color

57.5994, 0.2952, 0.4436



## Protanomaly

56.1706, 0.3438, 0.4229



## Deuteranomaly

55.1244, 0.3484, 0.4008



## Tritanomaly

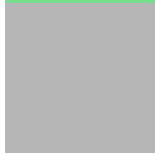
57.0198, 0.2707, 0.3543

# Monochromacy



## Original Color

57.5994, 0.2952, 0.4436



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

49.6408, 0.3046, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5994, 0.2952, 0.4436 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(120, 221, 140)` looks like.

```
.text, #text, p{  
    color:rgb(120, 221, 140)  
}
```

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(120, 221, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 221, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5994, 0.2952, 0.4436 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(120, 221, 140) }
```

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

```
.border{ border-color:rgb(120, 221, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 221, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 221, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 221, 140);  
box-shadow:4px 4px 4px 4px rgb(120, 221,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5994, 0.2952, 0.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 221, 140) }
```

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

```
.background{ background-color: rgb(120,  
221, 140) }
```

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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