

# Converting Colors

Yxy(54.7933, 0.2968, 0.4276)

Have a look what the booklet for  
Yxy(54.7933, 0.2968, 0.4276)  
contains.

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# Color

**Yxy(54.7267, 0.2970, 0.4271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D691
RGB	128, 214, 145
RGB Percent	50%, 84%, 57%
CMY	0.4982, 0.1607, 0.4313
CMYK	0.40, 0.00, 0.32, 0.16
HSL	132°, 51%, 67%
HSV	132°, 40%, 84%
XYZ	38.0563, 54.7267, 35.3526
YIQ	180.4200, -29.1070, -39.6910

# Conversions

## Conversions Part 2

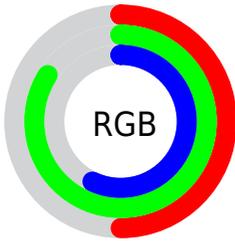
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 200, 214
Decimal	8443537
CIELab	78.88, -40.46, 26.13
CIELCh	79, 48.162, 147.143
Yxy	54.7267, 0.2970, 0.4271
Android (android.graphics.Color)	4286633617 (0xFF80D691)
YUV	180.4200, -17.4621, -45.9723
Hunter-Lab	73.9775, -37.6348, 23.4506

# Details

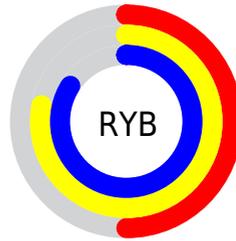
The Yxy color **54.7267, 0.2970, 0.4271** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7551, 0.3343, 0.2479**, and the grayscale version is **45.9842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8339, 0.3009, 0.3923**, and **27.0209, 0.2905, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **52.7513, 0.2940, 0.4569**, and if you desaturate by 10%, it is **57.1365, 0.3006, 0.3990**.

# Distribution



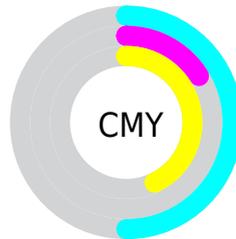
- Red (50%)
- Green (84%)
- Blue (57%)



- Red (50%)
- Yellow (78%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)



- Cyan (50%)
- Magenta (16%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7267, 0.2970, 0.4271 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 54.7267, 0.2970, 0.4271 by changing the saturation by 10% instead.

 54.7267, 0.2970,  
0.4271

 54.7267, 0.2970,  
0.4271

404.8751, 0.3062,  
0.3766

 39.1830, 0.2943,  
0.4401

 97.1404, 0.3006,  
0.4084

 26.9021, 0.2906,  
0.4569

 124.7792, 0.3019,  
0.4015

 17.4997, 0.2853,  
0.4796

 157.2184, 0.3029,  
0.3957

 10.5914, 0.2770,  
0.5117

194.8424, 0.3038,  
0.3908

 5.7928, 0.2632,  
0.5597

238.0358, 0.3045,  
0.3865

 2.7195, 0.2416,  
0.6509

287.1827, 0.3051,

 0.9871, 0.0000,

0.3828

1.0000

342.6677, 0.3057,  
0.3795

■ 0.0000, 0.0000,  
0.0000

■ 54.7267, 0.2970,  
0.4271

■ 54.7267, 0.2970,  
0.4271

■ 52.7513, 0.2940,  
0.4569

■ 57.1365, 0.3006,  
0.3990

■ 51.1777, 0.2919,  
0.4871

■ 59.9976, 0.3045,  
0.3731

■ 49.9797, 0.2909,  
0.5165

■ 63.3339, 0.3086,  
0.3499

■ 49.1248, 0.2911,  
0.5430

■ 67.1661, 0.3126,  
0.3294

■ 48.5748, 0.2927,  
0.5652

■ 71.5133, 0.3166,  
0.3114

 48.2680, 0.2949,  
0.5815

 76.1333, 0.3193,  
0.2957

 76.5777, 0.3146,  
0.2891

# Harmonies

## Analogous

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



54.7267, 0.3590, 0.4458



54.7267, 0.2970, 0.4271



54.7267, 0.2423, 0.3711

# Triad

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



54.7267, 0.2970, 0.4271



54.7267, 0.2175, 0.2329



54.7267, 0.4289, 0.3347

# Complementary

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



54.7267, 0.2970, 0.4271



33.7551, 0.3343, 0.2479

# 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.



54.7267, 0.3830, 0.2887



54.7267, 0.2970, 0.4271



54.7267, 0.2586, 0.2325

# Square

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



54.7267, 0.2970, 0.4271



54.7267, 0.2003, 0.2569



54.7267, 0.3185, 0.2525



54.7267, 0.4387, 0.3833

# Rectangle

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



54.7267, 0.2970, 0.4271



54.7267, 0.2170, 0.3266



54.7267, 0.3185, 0.2525



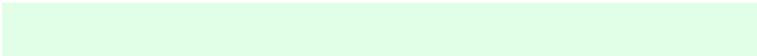
54.7267, 0.4171, 0.3187

# Sweetspot

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



54.7290, 0.2970, 0.4271



93.1707, 0.3078, 0.3542



61.6929, 0.3597, 0.4326



19.7973, 0.3073, 0.3571



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

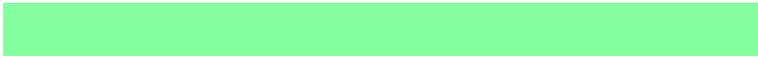


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.7290, 0.2970, 0.4271



78.9037, 0.2945, 0.4516



56.2617, 0.2726, 0.3661



13.9358, 0.3089, 0.3482



29.1839, 0.2943, 0.5795



1.7721, 0.2855, 0.5476



# Inverse Universe

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



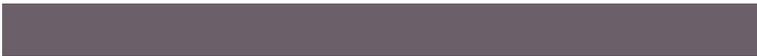
33.7551, 0.3343, 0.2479



43.6804, 0.3400, 0.2322



32.0998, 0.3811, 0.2956



12.5885, 0.3168, 0.3105



10.4467, 0.3781, 0.1856

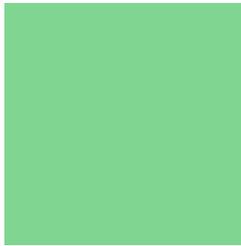


0.6411, 0.3664, 0.1792



# Previews

## White Background



This preview shows how the Yxy color 54.7267, 0.2970, 0.4271 looks on a white background.

## Color Contrast Check

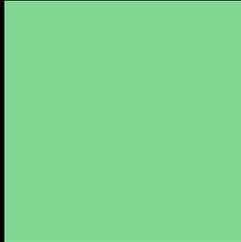
Large Text (above 18pt) WCAG AA × Fail

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 54.7267, 0.2970, 0.4271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

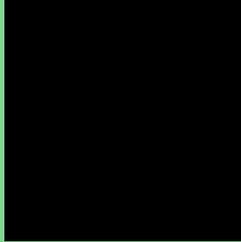
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

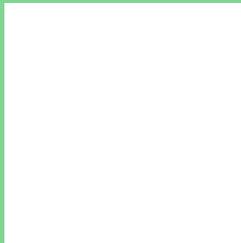
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.7267, 0.2970, 0.4271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7267, 0.2970, 0.4271.



This preview shows how white text looks on a background with the Yxy color 54.7267, 0.2970, 0.4271.

# 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

54.7267, 0.2970, 0.4271

### Protanopia

54.0628, 0.3715, 0.3991

### Deuteranopia

53.6831, 0.3774, 0.3696



## Tritanopia

54.3355, 0.2608, 0.3071

# Trichromacy



## Original Color

54.7267, 0.2970, 0.4271



## Protanomaly

53.3407, 0.3411, 0.4100



## Deuteranomaly

52.7261, 0.3442, 0.3890



## Tritanomaly

54.3653, 0.2740, 0.3491

# Monochromacy



## Original Color

54.7267, 0.2970, 0.4271



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.0664, 0.3063, 0.3633

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7267, 0.2970, 0.4271 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(128, 214, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 214, 145)  
}
```

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(128, 214, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7267, 0.2970, 0.4271 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(128, 214, 145) }
```

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

```
.border{ border-color:rgb(128, 214, 145) }
```

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

Here you see how a box with a 4 pixel rgb(128, 214, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
145) }
```

# Background

The CSS property to change the background color of an element to Yxy 54.7267, 0.2970, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 145) }
```

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

```
.background{ background-color: rgb(128,  
214, 145) }
```

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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