

# Converting Colors

$Yxy(54.0590, 0.3485, 0.4277)$

Have a look what the booklet for  
Yxy(54.0590, 0.3485, 0.4277)  
contains.

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# Color

**Yxy(53.9475, 0.3489, 0.4277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4CB7F
RGB	180, 203, 127
RGB Percent	71%, 80%, 50%
CMY	0.2942, 0.2039, 0.5019
CMYK	0.11, 0.00, 0.37, 0.20
HSL	78°, 42%, 65%
HSV	78°, 37%, 80%
XYZ	44.0081, 53.9475, 28.1783
YIQ	187.4590, 10.6880, -28.5120

# Conversions

## Conversions Part 2

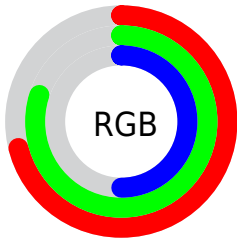
Format	Color
<a href="#">RYB</a>	<a href="#">127, 203, 150</a>
Decimal	<a href="#">11848575</a>
CIELab	<a href="#">78.43, -20.22, 35.36</a>
CIELCh	<a href="#">78, 40.731, 119.759</a>
Yxy	<a href="#">53.9475, 0.3489, 0.4277</a>
Android (android.graphics.Color)	<a href="#">4290038655 (0xFFB4CB7F)</a>
YUV	<a href="#">187.4590, -29.8063, -6.5415</a>
Hunter-Lab	<a href="#">73.4490, -21.5845, 28.6680</a>

# Details

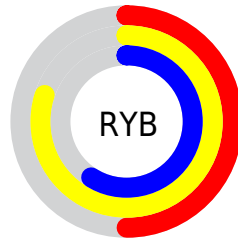
The Yxy color **53.9475, 0.3489, 0.4277** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.9838, 0.2650, 0.2224**, and the grayscale version is **50.1352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8607, 0.3445, 0.4049**, and **26.4523, 0.3564, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **52.7510, 0.3570, 0.4548**, and if you desaturate by 10%, it is **55.2882, 0.3397, 0.4002**.

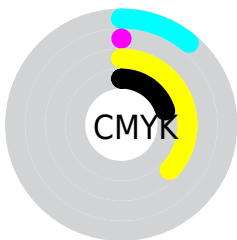
# Distribution



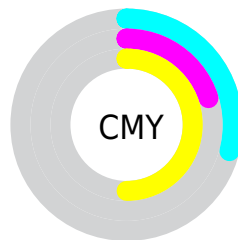
- Red (71%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (59%)



- Cyan (11%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)



- Cyan (29%)
- Magenta (20%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9475, 0.3489, 0.4277 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 53.9475, 0.3489, 0.4277 by changing the saturation by 10% instead.





 53.9475, 0.3489,  
0.4277

 53.9475, 0.3489,  
0.4277


401.9098, 0.3327,  
0.3782


 38.5597, 0.3522,  
0.4399


 95.9972, 0.3435,  
0.4098

 26.4174, 0.3561,  
0.4554


 123.4278, 0.3413,  
0.4030

 17.1361, 0.3603,  
0.4756


 155.6415, 0.3394,  
0.3973

 10.3316, 0.3647,  
0.5028

193.0227, 0.3378,  
0.3924

 5.6194, 0.3676,  
0.5405

235.9557, 0.3363,  
0.3881

 2.6150, 0.3799,  
0.6201

284.8249, 0.3350,

 0.9342, 0.2964,

0.3844

0.7036

340.0148, 0.3338,  
0.3811

0.0000, 0.0000,  
0.0000

53.9475, 0.3489,  
0.4277

53.9475, 0.3489,  
0.4277

52.7510, 0.3570,  
0.4548

55.2882, 0.3397,  
0.4002

51.6846, 0.3636,  
0.4802

56.7722, 0.3300,  
0.3731

50.7432, 0.3682,  
0.5029

58.4079, 0.3200,  
0.3472

49.9182, 0.3704,  
0.5217


60.2006, 0.3102,  
0.3229


49.1998, 0.3700,  
0.5358

62.1556, 0.3008,  
0.3004

 48.5744, 0.3673,  
0.5451

 64.2779, 0.2918,  
0.2799

 48.4228, 0.3665,  
0.5472

 65.6286, 0.2922,  
0.2745

 66.6235, 0.2965,  
0.2752

 67.6541, 0.3009,  
0.2759

# Harmonies

## Analogous

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



53.9475, 0.3948, 0.4148



53.9475, 0.3489, 0.4277



53.9475, 0.2956, 0.4079

# Triad

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



53.9475, 0.3489, 0.4277



53.9475, 0.2158, 0.2651



53.9475, 0.3769, 0.2978

# Complementary

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



53.9475, 0.3489, 0.4277



25.9838, 0.2650, 0.2224

# 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.



53.9475, 0.3230, 0.2650



53.9475, 0.3489, 0.4277



53.9475, 0.2328, 0.2453

# Square

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



53.9475, 0.3489, 0.4277



53.9475, 0.2213, 0.3058



53.9475, 0.2706, 0.2461



53.9475, 0.4134, 0.3388



# Rectangle

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



53.9475, 0.3489, 0.4277



53.9475, 0.2632, 0.3779



53.9475, 0.2706, 0.2461



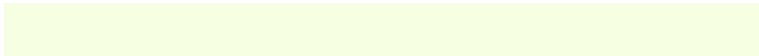
53.9475, 0.3599, 0.2857

# Sweetspot

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



53.9499, 0.3489, 0.4277



96.7472, 0.3237, 0.3567



35.9844, 0.3923, 0.3588



20.6269, 0.3251, 0.3602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

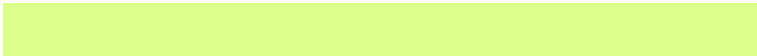


# Same Dimension

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



53.9499, 0.3489, 0.4277



88.6740, 0.3557, 0.4499



50.0180, 0.3185, 0.4379



12.9196, 0.3220, 0.3522



30.8633, 0.3672, 0.5466



1.6307, 0.3777, 0.5383



# Inverse Universe

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



25.9838, 0.2650, 0.2224



35.1644, 0.2518, 0.1961



30.1633, 0.3017, 0.2329



11.0060, 0.3029, 0.3054



3.4274, 0.1713, 0.0717



0.2168, 0.1932, 0.0838



# Previews

## White Background



This preview shows how the Yxy color 53.9475, 0.3489, 0.4277 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 53.9475, 0.3489, 0.4277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

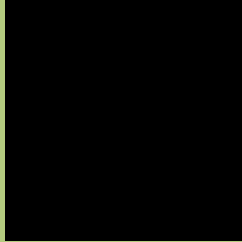
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.9475, 0.3489, 0.4277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9475, 0.3489, 0.4277.



This preview shows how white text looks on a background with the Yxy color 53.9475, 0.3489, 0.4277.

# 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

53.9475, 0.3489, 0.4277

### Protanopia

53.8625, 0.3822, 0.4140

### Deuteranopia

53.4924, 0.3991, 0.3901



## Tritanopia

53.7704, 0.3002, 0.3108

# Trichromacy



**Original Color**

53.9475, 0.3489, 0.4277

**Protanomaly**

53.6671, 0.3704, 0.4192

**Deuteranomaly**

53.4571, 0.3796, 0.4033

**Tritanomaly**

53.7520, 0.3180, 0.3518

# Monochromacy



**Original Color**

53.9475, 0.3489, 0.4277

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

51.0469, 0.3266, 0.3653

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9475, 0.3489, 0.4277 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(180, 203, 127)` looks like.

```
.text, #text, p{  
    color:rgb(180, 203, 127)  
}
```

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(180, 203, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 203, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9475, 0.3489, 0.4277 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(180, 203, 127) }
```

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

```
.border{ border-color:rgb(180, 203, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 203, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 203, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 203, 127);  
box-shadow:4px 4px 4px 4px rgb(180, 203,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9475, 0.3489, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 203, 127) }
```

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

```
.background{ background-color: rgb(180,  
203, 127) }
```

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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