

# Converting Colors

Yxy(54.3433, 0.3178, 0.4592)

Have a look what the booklet for  
Yxy(54.3433, 0.3178, 0.4592)  
contains.

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# Color

**Yxy(54.2629, 0.3177, 0.4597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89D578
RGB	137, 213, 120
RGB Percent	54%, 84%, 47%
CMY	0.4628, 0.1647, 0.5293
CMYK	0.36, 0.00, 0.44, 0.16
HSL	109°, 53%, 65%
HSV	109°, 44%, 84%
XYZ	37.5012, 54.2629, 26.2757
YIQ	179.6740, -15.4430, -45.0350

# Conversions

## Conversions Part 2

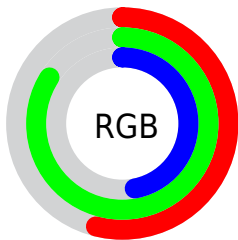
Format	Color
<a href="#">RYB</a>	<a href="#">120, 213, 196</a>
Decimal	<a href="#">9033080</a>
CIELab	<a href="#">78.61, -41.10, 38.61</a>
CIElCh	<a href="#">79, 56.391, 136.787</a>
Yxy	<a href="#">54.2629, 0.3177, 0.4597</a>
Android (android.graphics.Color)	<a href="#">4287223160</a> ( <a href="#">0xFF89D578</a> )
YUV	<a href="#">179.6740, -29.4193, -37.4251</a>
Hunter-Lab	<a href="#">73.6634, -38.0384, 30.4157</a>

# Details

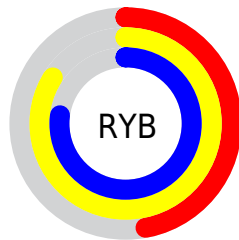
The Yxy color **54.2629, 0.3177, 0.4597** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.9864, 0.3007, 0.2172**, and the grayscale version is **45.6262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9134, 0.3198, 0.4201**, and **26.6772, 0.3145, 0.5000** is the 20% darker color. If you saturate the color by 10%, you get **52.4493, 0.3174, 0.4936**, and if you desaturate by 10%, it is **56.4337, 0.3173, 0.4260**.

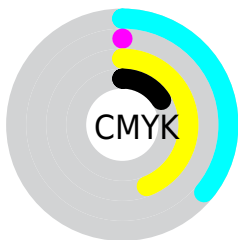
# Distribution



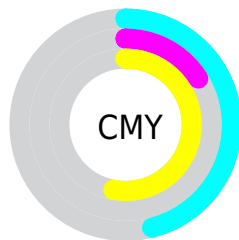
- Red (54%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)



- Cyan (46%)
- Magenta (16%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2629, 0.3177, 0.4597 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 54.2629, 0.3177, 0.4597 by changing the saturation by 10% instead.





 54.2629, 0.3177,  
0.4597

 54.2629, 0.3177,  
0.4597


403.1117, 0.3180,  
0.3923

 38.8119, 0.3167,  
0.4769


 96.4601, 0.3185,  
0.4349

 26.6134, 0.3147,  
0.4990


 123.9752, 0.3186,  
0.4256

 17.2831, 0.3111,  
0.5284


 156.2803, 0.3186,  
0.4178

 10.4365, 0.3040,  
0.5688

193.7600, 0.3185,  
0.4112

 5.6893, 0.2899,  
0.6274

236.7986, 0.3184,  
0.4055

 2.6571, 0.2655,  
0.7345

285.7805, 0.3183,

 0.9555, 0.0000,

0.4005

1.0000

341.0900, 0.3181,  
0.3961

0.0000, 0.0000,  
0.0000

54.2629, 0.3177,  
0.4597

54.2629, 0.3177,  
0.4597

52.4493, 0.3174,  
0.4936

56.4337, 0.3173,  
0.4260

50.9669, 0.3162,  
0.5258

58.9723, 0.3163,  
0.3940

49.7970, 0.3140,  
0.5538


61.8976, 0.3149,  
0.3645


48.9161, 0.3111,  
0.5757

65.2249, 0.3133,  
0.3379

48.2972, 0.3076,  
0.5899

68.9688, 0.3116,  
0.3144

 48.0193, 0.3055,  
0.5956

 73.1431, 0.3098,  
0.2937

 76.0707, 0.3146,  
0.2881

# Harmonies

## Analogous

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



54.2629, 0.3881, 0.4614



54.2629, 0.3177, 0.4597



54.2629, 0.2497, 0.4054

# Triad

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



54.2629, 0.3177, 0.4597



54.2629, 0.1934, 0.2241



54.2629, 0.4348, 0.3150

# Complementary

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



54.2629, 0.3177, 0.4597



29.9864, 0.3007, 0.2172

# 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.



54.2629, 0.3696, 0.2662



54.2629, 0.3177, 0.4597



54.2629, 0.2306, 0.2157

# Square

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



54.2629, 0.3177, 0.4597



54.2629, 0.1836, 0.2603



54.2629, 0.2930, 0.2311



54.2629, 0.4613, 0.3700

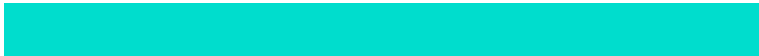


# Rectangle

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



54.2629, 0.3177, 0.4597



54.2629, 0.2150, 0.3524



54.2629, 0.2930, 0.2311



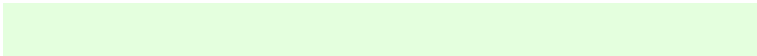
54.2629, 0.4163, 0.2977

# Sweetspot

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



54.2652, 0.3177, 0.4597



93.2631, 0.3149, 0.3630



54.9651, 0.3852, 0.4188



19.7398, 0.3152, 0.3693



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.



54.2652, 0.3177, 0.4597



79.1002, 0.3174, 0.4899



53.7711, 0.2895, 0.4206



14.0038, 0.3143, 0.3529



29.3631, 0.3061, 0.5951



1.8043, 0.3171, 0.5864



# Inverse Universe

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



29.9864, 0.3007, 0.2172



38.1949, 0.2971, 0.1958



31.0296, 0.3487, 0.2530



12.5129, 0.3109, 0.3058



8.4825, 0.2754, 0.1291



0.5421, 0.2837, 0.1337



# Previews

## White Background



This preview shows how the Yxy color 54.2629, 0.3177, 0.4597 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 54.2629, 0.3177, 0.4597 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 54.2629, 0.3177, 0.4597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2629, 0.3177, 0.4597.

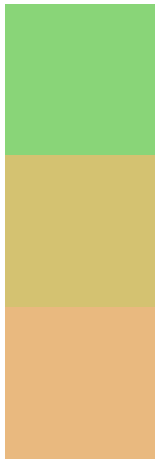


This preview shows how white text looks on a background with the Yxy color 54.2629, 0.3177, 0.4597.

# 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

54.2629, 0.3177, 0.4597

### Protanopia

53.7729, 0.3904, 0.4248

### Deuteranopia

53.5539, 0.4032, 0.3942



## Tritanopia

54.1730, 0.2683, 0.3085

# Trichromacy



## Original Color

54.2629, 0.3177, 0.4597



## Protanomaly

53.3485, 0.3614, 0.4377



## Deuteranomaly

52.4912, 0.3695, 0.4176



## Tritanomaly

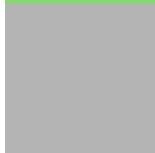
53.8159, 0.2869, 0.3613

# Monochromacy



## Original Color

54.2629, 0.3177, 0.4597



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.0604, 0.3154, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2629, 0.3177, 0.4597 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(137, 213, 120)` looks like.

```
.text, #text, p{  
    color:rgb(137, 213, 120)  
}
```

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(137, 213, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 213, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2629, 0.3177, 0.4597 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(137, 213, 120) }
```

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

```
.border{ border-color:rgb(137, 213, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 213, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 213, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 213, 120);  
box-shadow:4px 4px 4px 4px rgb(137, 213,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2629, 0.3177, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 213, 120) }
```

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

```
.background{ background-color: rgb(137,  
213, 120) }
```

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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