

# Converting Colors

Yxy(54.9413, 0.2650, 0.3290)

Have a look what the booklet for  
Yxy(54.9413, 0.2650, 0.3290)  
contains.

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# Color

**Yxy(54.9842, 0.2647, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89D0D0
RGB	137, 208, 208
RGB Percent	54%, 82%, 82%
CMY	0.4629, 0.1843, 0.1844
CMYK	0.34, 0.00, 0.00, 0.18
HSL	180°, 43%, 68%
HSV	180°, 34%, 82%
XYZ	44.2515, 54.9842, 67.9403
YIQ	186.7710, -42.3160, -15.0520

# Conversions

## Conversions Part 2

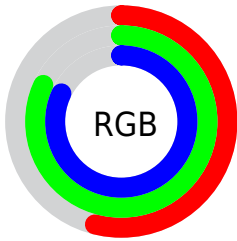
Format	Color
<a href="#">RYB</a>	<a href="#">137, 173, 208</a>
Decimal	<a href="#">9031888</a>
CIELab	<a href="#">79.03, -22.10, -7.06</a>
CIELCh	<a href="#">79, 23.195, 197.709</a>
Yxy	<a href="#">54.9842, 0.2647, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4287221968</a> ( <a href="#">0xFF89D0D0</a> )
YUV	<a href="#">186.7710, 10.4659, -43.6492</a>
Hunter-Lab	<a href="#">74.1513, -23.2409, -2.4179</a>

# Details

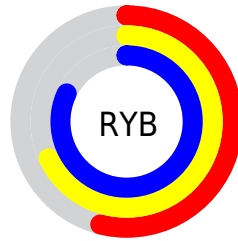
The Yxy color **54.9842, 0.2647, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1012, 0.3926, 0.3292**, and the grayscale version is **49.5131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **26.9546, 0.2522, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **53.3946, 0.2536, 0.3289**, and if you desaturate by 10%, it is **56.9170, 0.2774, 0.3289**.

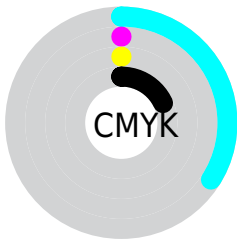
# Distribution



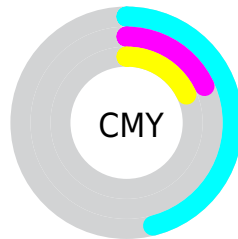
- Red (54%)
- Green (82%)
- Blue (82%)



- Red (54%)
- Yellow (68%)
- Blue (82%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)




- Cyan (46%)
- Magenta (18%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9842, 0.2647, 0.3289 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 54.9842, 0.2647, 0.3289 by changing the saturation by 10% instead.




 54.9842, 0.2647,  
0.3289


 54.9842, 0.2647,  
0.3289


405.8520, 0.2877,  
0.3293

 39.3891, 0.2592,  
0.3287

 97.5178, 0.2729,  
0.3291

 27.0625, 0.2524,  
0.3283


 125.2251, 0.2760,  
0.3292

 17.6202, 0.2435,  
0.3278


 157.7385, 0.2786,  
0.3293

 10.6777, 0.2317,  
0.3269

195.4425, 0.2810,  
0.3293

 5.8505, 0.2151,  
0.3252

238.7215, 0.2830,  
0.3293

 2.7544, 0.1902,  
0.3217

287.9598, 0.2847,

 1.0049, 0.1309,

0.3293

343.5418, 0.2863,  
0.3293

0.3201

0.0000, 0.0000,  
0.0000

54.9842, 0.2647,  
0.3289

54.9842, 0.2647,  
0.3289

53.3946, 0.2536,  
0.3289

56.9170, 0.2774,  
0.3289

52.1222, 0.2442,  
0.3289

59.2044, 0.2913,  
0.3290

51.1475, 0.2367,  
0.3289

61.8654, 0.3063,  
0.3290


50.4463, 0.2311,  
0.3289

64.9155, 0.3219,  
0.3290

49.9908, 0.2274,  
0.3289

68.3696, 0.3379,  
0.3291

 49.7469, 0.2254,  
0.3289

 70.9333, 0.3488,  
0.3291

 49.6673, 0.2247,  
0.3289

 70.9338, 0.3488,  
0.3291

 70.9342, 0.3488,  
0.3291

 70.9347, 0.3488,  
0.3291

# Harmonies

## Analogous

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



54.9842, 0.2867, 0.3578



54.9842, 0.2647, 0.3289



54.9842, 0.2553, 0.3018

# Triad

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



54.9842, 0.2647, 0.3289



54.9842, 0.3067, 0.2853



54.9842, 0.3674, 0.3729

# Complementary

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



54.9842, 0.2647, 0.3289



33.1012, 0.3926, 0.3292

# 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.



54.9842, 0.3738, 0.3515



54.9842, 0.2647, 0.3289



54.9842, 0.3378, 0.3024

# Square

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



54.9842, 0.2647, 0.3289



54.9842, 0.2785, 0.2784



54.9842, 0.3628, 0.3261



54.9842, 0.3460, 0.3835



# Rectangle

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



54.9842, 0.2647, 0.3289



54.9842, 0.2570, 0.2885



54.9842, 0.3628, 0.3261



54.9842, 0.3714, 0.3666

# Sweetspot

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



54.9864, 0.2647, 0.3289



95.4796, 0.2973, 0.3290



52.3393, 0.3088, 0.4301



20.3113, 0.2952, 0.3290



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.



54.9864, 0.2647, 0.3289



85.2637, 0.2564, 0.3289



40.0176, 0.2585, 0.2813



13.4070, 0.2983, 0.3290



30.9516, 0.2247, 0.3289



1.7306, 0.2247, 0.3289



# Inverse Universe

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



33.1012, 0.3926, 0.3292



45.4347, 0.4186, 0.3293



44.4591, 0.3779, 0.3721



11.8083, 0.3291, 0.3290



8.3580, 0.6400, 0.3299

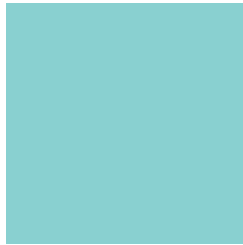


0.4674, 0.6398, 0.3298



# Previews

## White Background



This preview shows how the Yxy color 54.9842, 0.2647, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

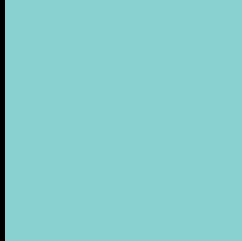
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9842, 0.2647, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

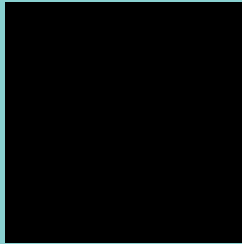
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

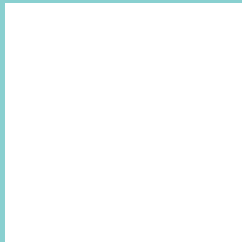
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9842, 0.2647, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9842, 0.2647, 0.3289.

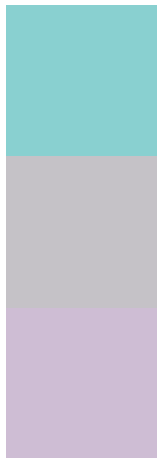


This preview shows how white text looks on a background with the Yxy color 54.9842, 0.2647, 0.3289.

# 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

54.9842, 0.2647, 0.3289

### Protanopia

54.5774, 0.3114, 0.3229

### Deuteranopia

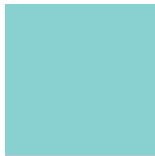
54.2705, 0.3091, 0.3021



## Tritanopia

55.0793, 0.2589, 0.3084

# Trichromacy



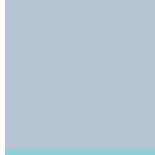
## Original Color

54.9842, 0.2647, 0.3289



## Protanomaly

54.2251, 0.2924, 0.3252



## Deuteranomaly

54.0068, 0.2906, 0.3105



## Tritanomaly

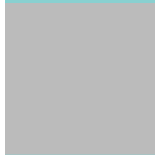
55.2109, 0.2612, 0.3159

# Monochromacy



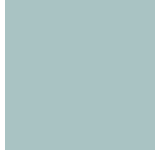
## Original Color

54.9842, 0.2647, 0.3289



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.4054, 0.2926, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9842, 0.2647, 0.3289 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, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(137, 208, 208)  
}
```

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, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 208, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9842, 0.2647, 0.3289 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, 208, 208) }
```

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

```
.border{ border-color:rgb(137, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(137, 208,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9842, 0.2647, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 208, 208) }
```

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

```
.background{ background-color: rgb(137,  
208, 208) }
```

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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