

# Converting Colors

Yxy(54.6819, 0.2724, 0.4213)

Have a look what the booklet for  
Yxy(54.6819, 0.2724, 0.4213)  
contains.

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# Color

**Yxy(54.7847, 0.2725, 0.4217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CDA9B
RGB	92, 218, 155
RGB Percent	36%, 85%, 61%
CMY	0.6393, 0.1451, 0.3921
CMYK	0.58, 0.00, 0.29, 0.15
HSL	150°, 63%, 61%
HSV	150°, 58%, 85%
XYZ	35.4015, 54.7847, 39.7277
YIQ	173.1440, -54.8730, -46.3050

# Conversions

## Conversions Part 2

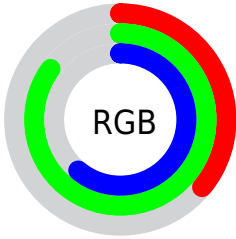
Format	Color
<a href="#">RYB</a>	<a href="#">92, 176, 218</a>
Decimal	<a href="#">6085275</a>
CIELab	<a href="#">78.92, -49.38, 20.74</a>
CIELCh	<a href="#">79, 53.555, 157.220</a>
Yxy	<a href="#">54.7847, 0.2725, 0.4217</a>
Android (android.graphics.Color)	<a href="#">4284275355</a> ( <a href="#">0xFF5CDA9B</a> )
YUV	<a href="#">173.1440, -8.9450, -71.1633</a>
Hunter-Lab	<a href="#">74.0167, -44.1542, 19.9884</a>

# Details

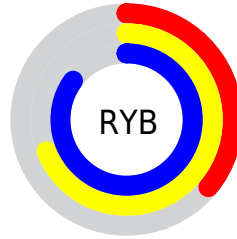
The Yxy color **54.7847, 0.2725, 0.4217** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **24.9235, 0.3971, 0.2560**, and the grayscale version is **41.9339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8485, 0.2781, 0.3818**, and **26.9183, 0.2597, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **53.4715, 0.2695, 0.4413**, and if you desaturate by 10%, it is **56.4583, 0.2772, 0.4027**.

# Distribution



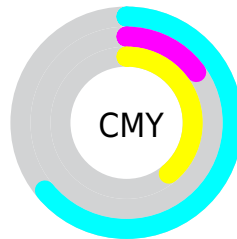
- Red (36%)
- Green (85%)
- Blue (61%)



- Red (36%)
- Yellow (69%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)




- Cyan (64%)
- Magenta (15%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7847, 0.2725, 0.4217 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 54.7847, 0.2725, 0.4217 by changing the saturation by 10% instead.





 54.7847, 0.2725,  
0.4217


 54.7847, 0.2725,  
0.4217


405.0953, 0.2933,  
0.3739


 39.2294, 0.2671,  
0.4340


 97.2254, 0.2802,  
0.4040

 26.9382, 0.2600,  
0.4501


 124.8796, 0.2831,  
0.3975

 17.5268, 0.2504,  
0.4718


 157.3356, 0.2855,  
0.3920

 10.6108, 0.2368,  
0.5026


 194.9777, 0.2875,  
0.3873

 5.8058, 0.2159,  
0.5493

238.1903, 0.2893,  
0.3833

 2.7273, 0.1808,  
0.6280

287.3578, 0.2908,

 0.9911, 0.0000,

0.3797

1.0000

342.8647, 0.2922,  
0.3766

■ 0.0000, 0.0000,  
0.0000

■ 54.7847, 0.2725,  
0.4217

■ 54.7847, 0.2725,  
0.4217

■ 53.4715, 0.2695,  
0.4413

■ 56.4583, 0.2772,  
0.4027

■ 52.4826, 0.2685,  
0.4610

■ 58.5116, 0.2832,  
0.3847

■ 51.7859, 0.2694,  
0.4803

■ 60.9704, 0.2902,  
0.3679

■ 51.3333, 0.2722,  
0.4986


■ 63.8563, 0.2980,  
0.3526


■ 51.2502, 0.2729,  
0.5025

■ 67.1892, 0.3062,  
0.3388

 70.9878, 0.3146,  
0.3264

 75.2697, 0.3229,  
0.3155

 77.8271, 0.3230,  
0.3052

 78.5021, 0.3157,  
0.2948

# Harmonies

## Analogous

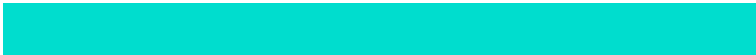
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.7847, 0.3401, 0.4582



54.7847, 0.2725, 0.4217



54.7847, 0.2193, 0.3503

# Triad

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



54.7847, 0.2725, 0.4217



54.7847, 0.2204, 0.2208



54.7847, 0.4504, 0.3519

# Complementary

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



54.7847, 0.2725, 0.4217



24.9235, 0.3971, 0.2560

# 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.



54.7847, 0.4116, 0.3002



54.7847, 0.2725, 0.4217



54.7847, 0.2730, 0.2285

# Square

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



54.7847, 0.2725, 0.4217



54.7847, 0.1929, 0.2373



54.7847, 0.3435, 0.2567



54.7847, 0.4458, 0.4043



# Rectangle

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



54.7847, 0.2725, 0.4217



54.7847, 0.1981, 0.3021



54.7847, 0.3435, 0.2567



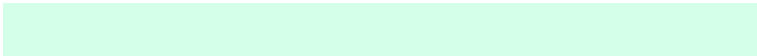
54.7847, 0.4420, 0.3342

# Sweetspot

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



54.7869, 0.2725, 0.4217



91.3674, 0.2985, 0.3517



57.8856, 0.3447, 0.4924



19.3652, 0.2969, 0.3546



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.



54.7869, 0.2725, 0.4217



75.9767, 0.2692, 0.4449



57.4818, 0.2410, 0.3288



14.7144, 0.3048, 0.3409



30.7246, 0.2722, 0.4999



2.0079, 0.2639, 0.4700



# Inverse Universe

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



24.9235, 0.3971, 0.2560



29.6488, 0.4242, 0.2466



23.3305, 0.4897, 0.3295



13.1595, 0.3214, 0.3174



9.6125, 0.4950, 0.2501

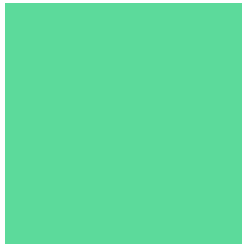


0.6401, 0.4591, 0.2303



# Previews

## White Background



This preview shows how the Yxy color 54.7847, 0.2725, 0.4217 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 54.7847, 0.2725, 0.4217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

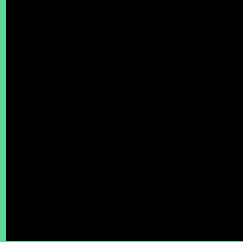
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.7847, 0.2725, 0.4217**

## Background



This preview shows how black text looks on a background with the Yxy color 54.7847, 0.2725, 0.4217.

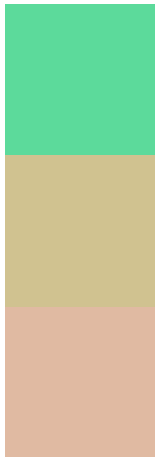


This preview shows how white text looks on a background with the Yxy color 54.7847, 0.2725, 0.4217.

# 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**

54.7847, 0.2725, 0.4217

**Protanopia**

54.0071, 0.3634, 0.3899

**Deuteranopia**

53.5737, 0.3654, 0.3571



## Tritanopia

54.6693, 0.2437, 0.3065

# Trichromacy



## Original Color

54.7847, 0.2725, 0.4217



## Protanomaly

52.9570, 0.3229, 0.4031



## Deuteranomaly

52.1215, 0.3238, 0.3804



## Tritanomaly

54.3213, 0.2538, 0.3454

# Monochromacy



## Original Color

54.7847, 0.2725, 0.4217



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

45.0777, 0.2938, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7847, 0.2725, 0.4217 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(92, 218, 155)` looks like.

```
.text, #text, p{  
    color:rgb(92, 218, 155)  
}
```

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(92, 218, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 218, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7847, 0.2725, 0.4217 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(92, 218, 155) }
```

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

```
.border{ border-color:rgb(92, 218, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 218, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 218, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 218, 155);  
box-shadow:4px 4px 4px 4px rgb(92, 218,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7847, 0.2725, 0.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 218, 155) }
```

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

```
.background{ background-color: rgb(92, 218,  
155) }
```

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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