

# Converting Colors

$Yxy(54.9551, 0.2887, 0.3817)$

Have a look what the booklet for  
Yxy(54.9551, 0.2887, 0.3817)  
contains.

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# Color

**Yxy(54.7345, 0.2888, 0.3811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DD2AC
RGB	141, 210, 172
RGB Percent	55%, 82%, 67%
CMY	0.4470, 0.1765, 0.3255
CMYK	0.33, 0.00, 0.18, 0.18
HSL	147°, 43%, 69%
HSV	147°, 33%, 82%
XYZ	41.4782, 54.7345, 47.4098
YIQ	185.0370, -28.9260, -26.4460

# Conversions

## Conversions Part 2

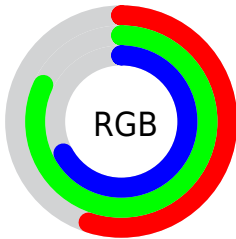
Format	Color
<a href="#">RYB</a>	<a href="#">141, 189, 210</a>
Decimal	<a href="#">9294508</a>
CIELab	<a href="#">78.89, -29.75, 12.01</a>
CIELCh	<a href="#">79, 32.080, 158.011</a>
Yxy	<a href="#">54.7345, 0.2888, 0.3811</a>
Android (android.graphics.Color)	<a href="#">4287484588 (0xFF8DD2AC)</a>
YUV	<a href="#">185.0370, -6.4272, -38.6204</a>
Hunter-Lab	<a href="#">73.9828, -29.3945, 13.7936</a>

# Details

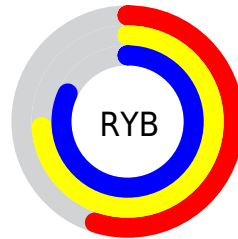
The Yxy color **54.7345, 0.2888, 0.3811** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.0083, 0.3469, 0.2824**, and the grayscale version is **48.5876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8018, 0.2929, 0.3592**, and **26.8735, 0.2816, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **52.6417, 0.2828, 0.4004**, and if you desaturate by 10%, it is **57.2195, 0.2956, 0.3634**.

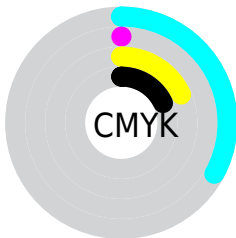
# Distribution



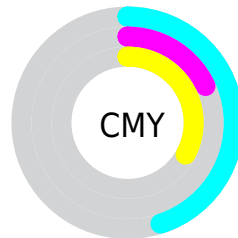
- Red (55%)
- Green (82%)
- Blue (67%)



- Red (55%)
- Yellow (74%)
- Blue (82%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (18%)




- Cyan (45%)
- Magenta (18%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7345, 0.2888, 0.3811 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 54.7345, 0.2888, 0.3811 by changing the saturation by 10% instead.





 54.7345, 0.2888,  
0.3811


 54.7345, 0.2888,  
0.3811


404.9047, 0.3009,  
0.3548

 39.1892, 0.2858,  
0.3877

 97.1518, 0.2932,  
0.3715

 26.9069, 0.2818,  
0.3963


 124.7927, 0.2949,  
0.3679

 17.5033, 0.2766,  
0.4077


157.2341, 0.2963,  
0.3649

 10.5940, 0.2692,  
0.4238


194.8606, 0.2974,  
0.3623

 5.7945, 0.2580,  
0.4479

238.0565, 0.2985,  
0.3600

 2.7206, 0.2395,  
0.4881

287.2063, 0.2994,

 0.9876, 0.1464,

0.3581

0.6915

342.6942, 0.3002,  
0.3564

0.0000, 0.0000,  
0.0000

54.7345, 0.2888,  
0.3811

54.7345, 0.2888,  
0.3811

52.6417, 0.2828,  
0.4004

57.2195, 0.2956,  
0.3634

50.9137, 0.2778,  
0.4209

60.1091, 0.3030,  
0.3473

49.5297, 0.2744,  
0.4423


63.4235, 0.3105,  
0.3328


48.4646, 0.2727,  
0.4640


67.1794, 0.3182,  
0.3200


47.6889, 0.2729,  
0.4853

71.3926, 0.3257,  
0.3087

 47.1679, 0.2751,  
0.5054

 73.7295, 0.3242,  
0.2979

 46.9093, 0.2775,  
0.5189

 74.4443, 0.3162,  
0.2870

 74.5749, 0.3148,  
0.2851

# Harmonies

## Analogous

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



54.7345, 0.3307, 0.4036



54.7345, 0.2888, 0.3811



54.7345, 0.2548, 0.3417

# Triad

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



54.7345, 0.2888, 0.3811



54.7345, 0.2560, 0.2607



54.7345, 0.3954, 0.3475

# Complementary

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



54.7345, 0.2888, 0.3811



36.0083, 0.3469, 0.2824

# 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.



54.7345, 0.3727, 0.3133



54.7345, 0.2888, 0.3811



54.7345, 0.2904, 0.2652

# Square

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



54.7345, 0.2888, 0.3811



54.7345, 0.2371, 0.2727



54.7345, 0.3333, 0.2841



54.7345, 0.3937, 0.3798



# Rectangle

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



54.7345, 0.2888, 0.3811



54.7345, 0.2407, 0.3140



54.7345, 0.3333, 0.2841



54.7345, 0.3903, 0.3359

# Sweetspot

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



54.7368, 0.2888, 0.3811



94.6087, 0.3050, 0.3431



57.7339, 0.3376, 0.4174



20.0998, 0.3040, 0.3452



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

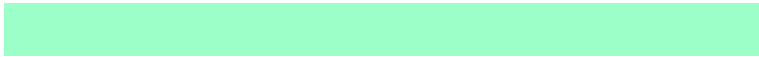


# Same Dimension

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



54.7368, 0.2888, 0.3811



82.7240, 0.2847, 0.3936



56.1853, 0.2688, 0.3349



13.2933, 0.3056, 0.3421



28.6326, 0.2767, 0.5162



1.6168, 0.2668, 0.4803



# Inverse Universe

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



36.0083, 0.3469, 0.2824



49.5553, 0.3564, 0.2729



34.8165, 0.3833, 0.3234



11.9156, 0.3206, 0.3163



9.1426, 0.4732, 0.2380



0.5271, 0.4378, 0.2185



# Previews

## White Background



This preview shows how the Yxy color 54.7345, 0.2888, 0.3811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

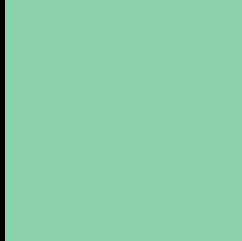
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7345, 0.2888, 0.3811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

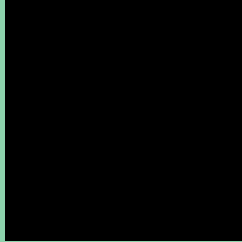
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.7345, 0.2888, 0.3811**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7345, 0.2888, 0.3811.

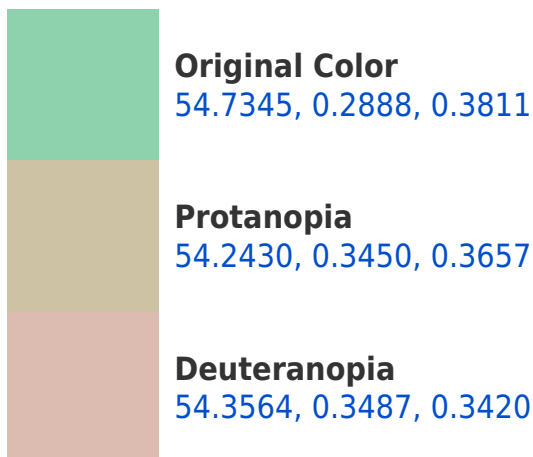


This preview shows how white text looks on a background with the Yxy color 54.7345, 0.2888, 0.3811.

# 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





## Tritanopia

54.4585, 0.2654, 0.3073

# Trichromacy



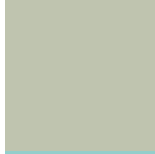
## Original Color

54.7345, 0.2888, 0.3811



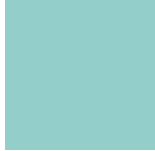
## Protanomaly

54.0437, 0.3225, 0.3715



## Deuteranomaly

53.6514, 0.3244, 0.3554



## Tritanomaly

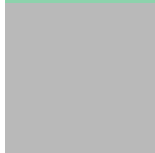
54.6575, 0.2733, 0.3328

# Monochromacy



## Original Color

54.7345, 0.2888, 0.3811



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.3139, 0.3032, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7345, 0.2888, 0.3811 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(141, 210, 172)` looks like.

```
.text, #text, p{  
    color:rgb(141, 210, 172)  
}
```

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(141, 210, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 210, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7345, 0.2888, 0.3811 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(141, 210, 172) }
```

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

```
.border{ border-color:rgb(141, 210, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 210, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 210, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 210, 172);  
box-shadow:4px 4px 4px 4px rgb(141, 210,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7345, 0.2888, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 210, 172) }
```

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

```
.background{ background-color: rgb(141,  
210, 172) }
```

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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