

# Converting Colors

$Yxy(55.6073, 0.2760, 0.3671)$

Have a look what the booklet for  
Yxy(55.6073, 0.2760, 0.3671)  
contains.

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# Color

**Yxy(55.4532, 0.2762, 0.3672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84D4B8
RGB	132, 212, 184
RGB Percent	52%, 83%, 72%
CMY	0.4824, 0.1686, 0.2784
CMYK	0.38, 0.00, 0.13, 0.17
HSL	159°, 48%, 67%
HSV	159°, 38%, 83%
XYZ	41.7107, 55.4532, 53.8524
YIQ	184.8880, -38.6920, -25.6680

# Conversions

## Conversions Part 2

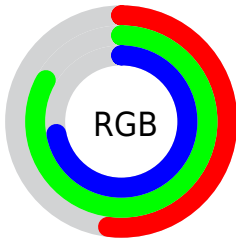
Format	Color
<b>RYB</b>	132, 180, 212
Decimal	8705208
CIELab	79.30, -30.82, 6.15
CIElCh	79, 31.428, 168.720
Yxy	55.4532, 0.2762, 0.3672
Android (android.graphics.Color)	4286895288 (0xFF84D4B8)
YUV	184.8880, -0.4378, -46.3828
Hunter-Lab	74.4669, -30.3349, 9.2499

# Details

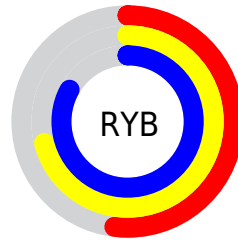
The Yxy color **55.4532, 0.2762, 0.3672** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.0386, 0.3720, 0.2944**, and the grayscale version is **48.4699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5026, 0.2816, 0.3451**, and **27.3723, 0.2665, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **53.6133, 0.2687, 0.3794**, and if you desaturate by 10%, it is **57.6612, 0.2849, 0.3558**.

# Distribution



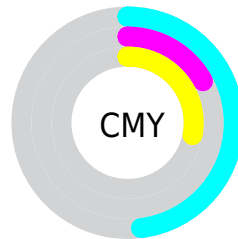
- Red (52%)
- Green (83%)
- Blue (72%)



- Red (52%)
- Yellow (71%)
- Blue (83%)



- Cyan (38%)
- Magenta (0%)
- Yellow (13%)
- Black (17%)




- Cyan (48%)
- Magenta (17%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4532, 0.2762, 0.3672 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 55.4532, 0.2762, 0.3672 by changing the saturation by 10% instead.





 55.4532, 0.2762,  
0.3672

 55.4532, 0.2762,  
0.3672

407.6276, 0.2941,  
0.3482

 39.7647, 0.2718,  
0.3719


 98.2046, 0.2826,  
0.3603

 27.3551, 0.2663,  
0.3779


 126.0364, 0.2851,  
0.3577

 17.8401, 0.2590,  
0.3859


 158.6846, 0.2871,  
0.3555

 10.8353, 0.2491,  
0.3970

196.5338, 0.2889,  
0.3537

 5.9562, 0.2347,  
0.4134

239.9683, 0.2905,  
0.3520

 2.8184, 0.2120,  
0.4399

289.3725, 0.2918,

 1.0377, 0.1158,

0.3506

345.1308, 0.2930,  
0.3493

0.5307

0.0000, 0.0000,  
0.0000

55.4532, 0.2762,  
0.3672

55.4532, 0.2762,  
0.3672

53.6133, 0.2687,  
0.3794

57.6612, 0.2849,  
0.3558

52.1134, 0.2627,  
0.3923

60.2502, 0.2945,  
0.3453

50.9319, 0.2585,  
0.4056

63.2406, 0.3046,  
0.3357

50.0419, 0.2562,  
0.4192


66.6495, 0.3151,  
0.3271


49.4121, 0.2559,  
0.4327


70.4928, 0.3257,  
0.3195

 48.9982, 0.2576,  
0.4460

 73.9797, 0.3331,  
0.3125

 48.9183, 0.2580,  
0.4489

 74.4021, 0.3278,  
0.3052

 74.8423, 0.3226,  
0.2980

 75.3007, 0.3175,  
0.2910

# Harmonies

## Analogous

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



55.4532, 0.3155, 0.3965



55.4532, 0.2762, 0.3672



55.4532, 0.2478, 0.3268

# Triad

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



55.4532, 0.2762, 0.3672



55.4532, 0.2678, 0.2620



55.4532, 0.3956, 0.3590

# Complementary

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



55.4532, 0.2762, 0.3672



33.0386, 0.3720, 0.2944

# 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.



55.4532, 0.3815, 0.3254



55.4532, 0.2762, 0.3672



55.4532, 0.3055, 0.2718

# Square

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



55.4532, 0.2762, 0.3672



55.4532, 0.2434, 0.2679



55.4532, 0.3477, 0.2944



55.4532, 0.3855, 0.3880



# Rectangle

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



55.4532, 0.2762, 0.3672



55.4532, 0.2381, 0.3013



55.4532, 0.3477, 0.2944



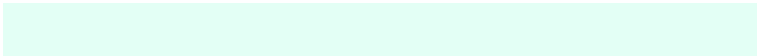
55.4532, 0.3935, 0.3480

# Sweetspot

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



55.4554, 0.2762, 0.3672



94.4465, 0.3011, 0.3389



56.3670, 0.3285, 0.4359



20.0805, 0.2997, 0.3402



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

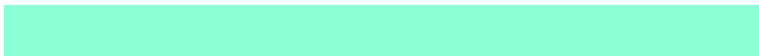


# Same Dimension

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



55.4554, 0.2762, 0.3672



82.0150, 0.2703, 0.3766



51.5899, 0.2584, 0.3146



14.0306, 0.3029, 0.3373



30.2180, 0.2575, 0.4471



1.8380, 0.2512, 0.4241



# Inverse Universe

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



33.0386, 0.3720, 0.2944



43.4015, 0.3903, 0.2874



35.2090, 0.3999, 0.3426



12.4919, 0.3237, 0.3209



8.9652, 0.5563, 0.2838



0.5562, 0.5080, 0.2572



# Previews

## White Background



This preview shows how the Yxy color 55.4532, 0.2762, 0.3672 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

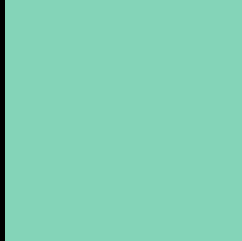
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.4532, 0.2762, 0.3672 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

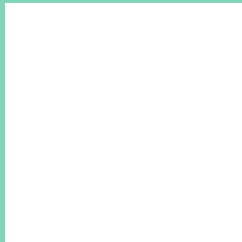
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.4532, 0.2762, 0.3672**

## Background



This preview shows how black text looks on a background with the Yxy color 55.4532, 0.2762, 0.3672.

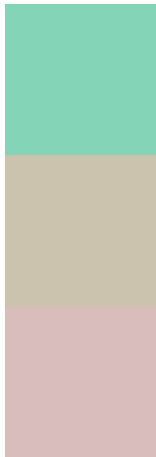


This preview shows how white text looks on a background with the Yxy color 55.4532, 0.2762, 0.3672.

# 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

55.4532, 0.2762, 0.3672

### Protanopia

54.9627, 0.3353, 0.3534

### Deuteranopia

54.8210, 0.3361, 0.3291



## Tritanopia

55.1330, 0.2583, 0.3071

# Trichromacy



## Original Color

55.4532, 0.2762, 0.3672



## Protanomaly

54.4526, 0.3113, 0.3585



## Deuteranomaly

53.9595, 0.3113, 0.3416



## Tritanomaly

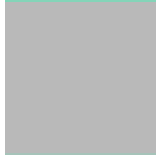
55.1185, 0.2647, 0.3275

# Monochromacy



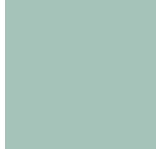
## Original Color

55.4532, 0.2762, 0.3672



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.6400, 0.2973, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4532, 0.2762, 0.3672 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(132, 212, 184)` looks like.

```
.text, #text, p{  
    color:rgb(132, 212, 184)  
}
```

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(132, 212, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 212, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4532, 0.2762, 0.3672 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(132, 212, 184) }
```

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

```
.border{ border-color:rgb(132, 212, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 212, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 212, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 212, 184);  
box-shadow:4px 4px 4px 4px rgb(132, 212,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4532, 0.2762, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 212, 184) }
```

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

```
.background{ background-color: rgb(132,  
212, 184) }
```

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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