

# Converting Colors

$Yxy(49.9793, 0.2792, 0.3536)$

Have a look what the booklet for  
Yxy(49.9793, 0.2792, 0.3536)  
contains.

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# Color

**Yxy(50.0043, 0.2790, 0.3540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89C8B6
RGB	137, 200, 182
RGB Percent	54%, 78%, 71%
CMY	0.4629, 0.2156, 0.2862
CMYK	0.32, 0.00, 0.09, 0.22
HSL	163°, 36%, 66%
HSV	163°, 32%, 78%
XYZ	39.4102, 50.0043, 51.8406
YIQ	179.1110, -31.7700, -18.9540

# Conversions

## Conversions Part 2

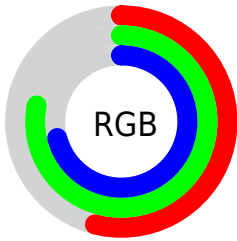
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 174, 200
Decimal	9029814
CIELab	76.07, -24.02, 2.57
CIElCh	76, 24.156, 173.884
Yxy	50.0043, 0.2790, 0.3540
Android (android.graphics.Color)	4287219894 (0xFF89C8B6)
YUV	179.1110, 1.4243, -36.9313
Hunter-Lab	70.7137, -24.2674, 6.0338

# Details

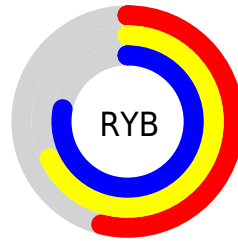
The Yxy color **50.0043, 0.2790, 0.3540** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.5243, 0.3634, 0.3056**, and the grayscale version is **45.1432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8995, 0.2848, 0.3472**, and **24.0276, 0.2696, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **48.2393, 0.2701, 0.3634**, and if you desaturate by 10%, it is **52.0963, 0.2890, 0.3453**.

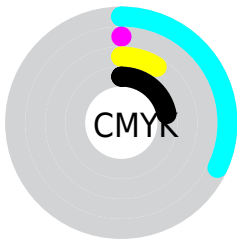
# Distribution



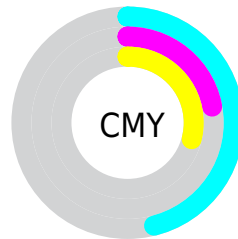
- Red (54%)
- Green (78%)
- Blue (71%)



- Red (54%)
- Yellow (68%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)



- Cyan (46%)
- Magenta (22%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0043, 0.2790, 0.3540 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 50.0043, 0.2790, 0.3540 by changing the saturation by 10% instead.





 50.0043, 0.2790,  
0.3540

 50.0043, 0.2790,  
0.3540


386.6828, 0.2957,  
0.3415

 35.4168, 0.2749,  
0.3571


 90.1812, 0.2850,  
0.3495

 23.9841, 0.2696,  
0.3611

 116.5395, 0.2873,  
0.3478

 15.3218, 0.2627,  
0.3664


 147.5901, 0.2892,  
0.3463

 9.0456, 0.2531,  
0.3739

183.7175, 0.2909,  
0.3451

 4.7709, 0.2389,  
0.3850

225.3061, 0.2923,  
0.3440

 2.1135, 0.2162,  
0.4032

272.7402, 0.2936,

 0.6722, 0.0412,

0.3431

0.5265

326.4043, 0.2947,  
0.3423

0.0000, 0.0000,  
0.0000

50.0043, 0.2790,  
0.3540

50.0043, 0.2790,  
0.3540

48.2393, 0.2701,  
0.3634

52.0963, 0.2890,  
0.3453

46.7776, 0.2625,  
0.3733

54.5253, 0.2997,  
0.3373

45.6023, 0.2566,  
0.3837


57.3083, 0.3110,  
0.3300

44.6918, 0.2525,  
0.3944


60.4594, 0.3225,  
0.3235


44.0219, 0.2504,  
0.4052

63.9921, 0.3340,  
0.3177

 43.5633, 0.2503,  
0.4160

 67.5448, 0.3439,  
0.3125

 43.2950, 0.2514,  
0.4250

 67.8456, 0.3395,  
0.3068

 68.1568, 0.3352,  
0.3011

 68.4784, 0.3309,  
0.2956

# Harmonies

## Analogous

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



50.0043, 0.3097, 0.3790



50.0043, 0.2790, 0.3540



50.0043, 0.2579, 0.3223

# Triad

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



50.0043, 0.2790, 0.3540



50.0043, 0.2815, 0.2753



50.0043, 0.3785, 0.3583

# Complementary

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



50.0043, 0.2790, 0.3540



32.5243, 0.3634, 0.3056

# 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.



50.0043, 0.3705, 0.3314



50.0043, 0.2790, 0.3540



50.0043, 0.3130, 0.2852

# Square

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



50.0043, 0.2790, 0.3540



50.0043, 0.2594, 0.2783



50.0043, 0.3460, 0.3052



50.0043, 0.3678, 0.3796



# Rectangle

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



50.0043, 0.2790, 0.3540



50.0043, 0.2516, 0.3029



50.0043, 0.3460, 0.3052



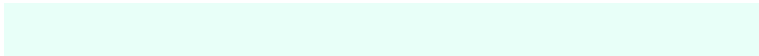
50.0043, 0.3780, 0.3496

# Sweetspot

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



50.0063, 0.2790, 0.3540



95.4896, 0.3024, 0.3355



50.1735, 0.3229, 0.4170



20.2931, 0.3007, 0.3366



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.



50.0063, 0.2790, 0.3540



84.3648, 0.2726, 0.3605



45.1957, 0.2659, 0.3114



12.0140, 0.3021, 0.3357



27.5413, 0.2510, 0.4235



1.3161, 0.2448, 0.4013



# Inverse Universe

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



32.5243, 0.3634, 0.3056



49.2823, 0.3797, 0.3002



35.7604, 0.3788, 0.3458



10.6859, 0.3246, 0.3224



8.0094, 0.5791, 0.2964



0.3920, 0.5179, 0.2627



# Previews

## White Background



This preview shows how the Yxy color 50.0043, 0.2790, 0.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

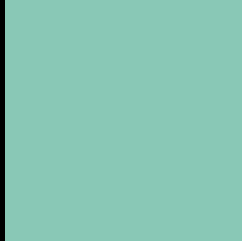
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0043, 0.2790, 0.3540 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

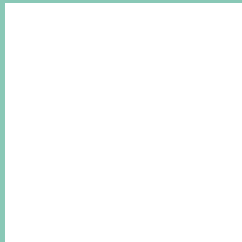
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.0043, 0.2790, 0.3540**

## Background



This preview shows how black text looks on a background with the Yxy color 50.0043, 0.2790, 0.3540.



This preview shows how white text looks on a background with the Yxy color 50.0043, 0.2790, 0.3540.

# 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

50.0043, 0.2790, 0.3540

### Protanopia

49.5113, 0.3281, 0.3443

### Deuteranopia

49.5721, 0.3294, 0.3230



## Tritanopia

50.0226, 0.2646, 0.3090

# Trichromacy



**Original Color**

50.0043, 0.2790, 0.3540

**Protanomaly**

49.3202, 0.3086, 0.3475

**Deuteranomaly**

49.1725, 0.3084, 0.3329

**Tritanomaly**

49.7654, 0.2701, 0.3248

# Monochromacy



**Original Color**

50.0043, 0.2790, 0.3540

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.7284, 0.2993, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0043, 0.2790, 0.3540 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, 200, 182)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 182)  
}
```

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, 200, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0043, 0.2790, 0.3540 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, 200, 182) }
```

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

```
.border{ border-color:rgb(137, 200, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 200, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 182);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0043, 0.2790, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 182) }
```

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

```
.background{ background-color: rgb(137,  
200, 182) }
```

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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