

# Converting Colors

$Yxy(45.8011, 0.2735, 0.3367)$

Have a look what the booklet for  
Yxy(45.8011, 0.2735, 0.3367)  
contains.

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# Color

**Yxy(45.8327, 0.2740, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86BFB9
RGB	134, 191, 185
RGB Percent	53%, 75%, 73%
CMY	0.4745, 0.2510, 0.2745
CMYK	0.30, 0.00, 0.03, 0.25
HSL	174°, 31%, 64%
HSV	174°, 30%, 75%
XYZ	37.2204, 45.8327, 52.7878
YIQ	173.2730, -32.0460, -13.9500

# Conversions

## Conversions Part 2

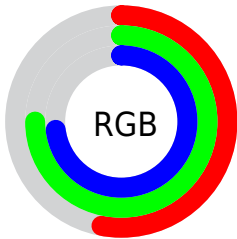
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 164, 191
Decimal	8830905
CIELab	73.44, -19.70, -2.91
CIELCh	73, 19.912, 188.417
Yxy	45.8327, 0.2740, 0.3374
Android (android.graphics.Color)	4287020985 (0xFF86BFB9)
YUV	173.2730, 5.7814, -34.4424
Hunter-Lab	67.6999, -20.3380, 1.1596

# Details

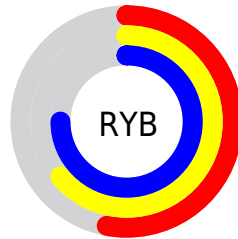
The Yxy color  $45.8327, 0.2740, 0.3374$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $30.0222, 0.3714, 0.3209$ , and the grayscale version is  $41.9196, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.3045, 0.2811, 0.3365$ , and  $21.3511, 0.2633, 0.3388$  is the 20% darker color. If you saturate the color by 10%, you get  $44.3199, 0.2631, 0.3406$ , and if you desaturate by 10%, it is  $47.6338, 0.2861, 0.3344$ .

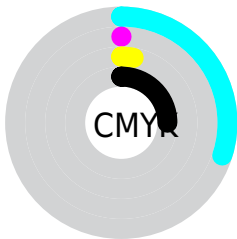
# Distribution



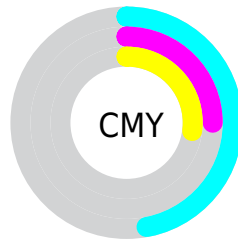
- Red (53%)
- Green (75%)
- Blue (73%)



- Red (53%)
- Yellow (64%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)




- Cyan (47%)
- Magenta (25%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8327, 0.2740, 0.3374 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 45.8327, 0.2740, 0.3374 by changing the saturation by 10% instead.





 45.8327, 0.2740,  
0.3374


 45.8327, 0.2740,  
0.3374


370.1356, 0.2933,  
0.3334


 32.1138, 0.2692,  
0.3383


 83.9686, 0.2810,  
0.3360

 21.4485, 0.2631,  
0.3395


 109.1543, 0.2836,  
0.3354

 13.4522, 0.2550,  
0.3411


 138.9312, 0.2858,  
0.3350

 7.7407, 0.2437,  
0.3431

173.6835, 0.2877,  
0.3346

 3.9295, 0.2271,  
0.3458

213.7958, 0.2894,  
0.3342

 1.6342, 0.2003,  
0.3496

259.6523, 0.2908,

 0.3805, 0.0000,

0.3339

0.3810

311.6374, 0.2921,  
0.3336

0.0000, 0.0000,  
0.0000

45.8327, 0.2740,  
0.3374

45.8327, 0.2740,  
0.3374

44.3199, 0.2631,  
0.3406

47.6338, 0.2861,  
0.3344

43.0747, 0.2538,  
0.3440

49.7319, 0.2992,  
0.3315

42.0821, 0.2462,  
0.3476

52.1419, 0.3129,  
0.3290

41.3236, 0.2404,  
0.3512

54.8762, 0.3271,  
0.3266

40.7781, 0.2365,  
0.3548

57.9467, 0.3414,  
0.3246

■ 40.4205, 0.2345,  
0.3584

■ 61.3643, 0.3557,  
0.3227

■ 40.2028, 0.2339,  
0.3619

■ 62.6492, 0.3594,  
0.3208

■ 40.1996, 0.2339,  
0.3620

■ 62.7432, 0.3577,  
0.3187

■ 62.8384, 0.3561,  
0.3166

# Harmonies

## Analogous

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



45.8327, 0.2970, 0.3622



45.8327, 0.2740, 0.3374



45.8327, 0.2614, 0.3113

# Triad

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



45.8327, 0.2740, 0.3374



45.8327, 0.2987, 0.2858



45.8327, 0.3660, 0.3640

# Complementary

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



45.8327, 0.2740, 0.3374



30.0222, 0.3714, 0.3209

# 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.



45.8327, 0.3669, 0.3427



45.8327, 0.2740, 0.3374



45.8327, 0.3270, 0.2989

# Square

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



45.8327, 0.2740, 0.3374



45.8327, 0.2751, 0.2830



45.8327, 0.3524, 0.3193



45.8327, 0.3504, 0.3771



# Rectangle

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



45.8327, 0.2740, 0.3374



45.8327, 0.2602, 0.2972



45.8327, 0.3524, 0.3193



45.8327, 0.3681, 0.3575

# Sweetspot

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



45.8346, 0.2740, 0.3374



89.3507, 0.3001, 0.3314



44.6166, 0.3139, 0.4136



19.4902, 0.2981, 0.3318



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

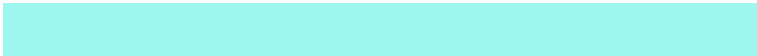


# Same Dimension

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



45.8346, 0.2740, 0.3374



80.2080, 0.2665, 0.3396



37.2638, 0.2667, 0.2971



10.7918, 0.2998, 0.3314



26.4251, 0.2338, 0.3615



1.0401, 0.2314, 0.3529



# Inverse Universe

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



30.0222, 0.3714, 0.3209



47.2102, 0.3906, 0.3191



36.5264, 0.3699, 0.3588



9.5522, 0.3272, 0.3266



7.3186, 0.6259, 0.3222

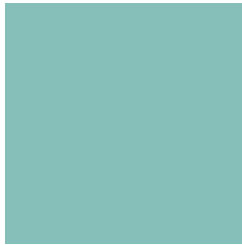


0.2922, 0.5814, 0.2977



# Previews

## White Background



This preview shows how the Yxy color 45.8327, 0.2740, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

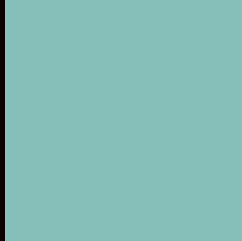
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.8327, 0.2740, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

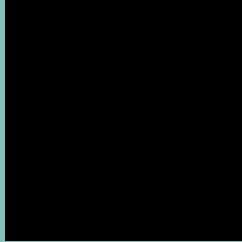
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.8327, 0.2740, 0.3374**

## Background



This preview shows how black text looks on a background with the Yxy color 45.8327, 0.2740, 0.3374.

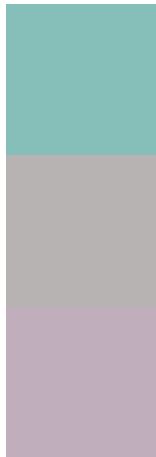


This preview shows how white text looks on a background with the Yxy color 45.8327, 0.2740, 0.3374.

# 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

45.8327, 0.2740, 0.3374

### Protanopia

45.5218, 0.3170, 0.3303

### Deuteranopia

45.2404, 0.3180, 0.3113



## Tritanopia

45.6815, 0.2648, 0.3083

# Trichromacy



## Original Color

45.8327, 0.2740, 0.3374

## Protanomaly

45.2025, 0.2993, 0.3317

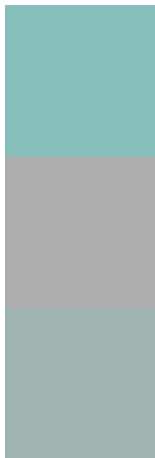
## Deuteranomaly

45.0010, 0.3005, 0.3197

## Tritanomaly

45.6991, 0.2687, 0.3191

# Monochromacy



## Original Color

45.8327, 0.2740, 0.3374

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

43.1878, 0.2974, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.8327, 0.2740, 0.3374 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(134, 191, 185)` looks like.

```
.text, #text, p{  
    color:rgb(134, 191, 185)  
}
```

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(134, 191, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 191, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 45.8327, 0.2740, 0.3374 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(134, 191, 185) }
```

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

```
.border{ border-color:rgb(134, 191, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 191, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 191, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 191, 185);  
box-shadow:4px 4px 4px 4px rgb(134, 191,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.8327, 0.2740, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 191, 185) }
```

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

```
.background{ background-color: rgb(134,  
191, 185) }
```

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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