

# Converting Colors

$Y_{xy}(45.5091, 0.2556, 0.3537)$

Have a look what the booklet for  
Yxy(45.5091, 0.2556, 0.3537)  
contains.

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# Color

**Yxy(45.6607, 0.2555, 0.3544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FC5B4
RGB	95, 197, 180
RGB Percent	37%, 77%, 71%
CMY	0.6277, 0.2274, 0.2941
CMYK	0.52, 0.00, 0.09, 0.23
HSL	170°, 47%, 57%
HSV	170°, 52%, 77%
XYZ	32.9185, 45.6607, 50.2603
YIQ	164.5640, -55.3350, -26.9110

# Conversions

## Conversions Part 2

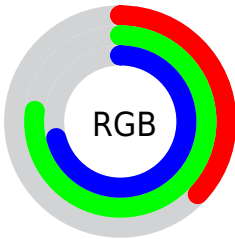
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 151, 197
Decimal	6276532
CIELab	73.32, -33.89, -0.56
CIElCh	73, 33.893, 180.945
Yxy	45.6607, 0.2555, 0.3544
Android (android.graphics.Color)	4284466612 (0xFF5FC5B4)
YUV	164.5640, 7.6099, -61.0076
Hunter-Lab	67.5727, -31.2948, 3.2013

# Details

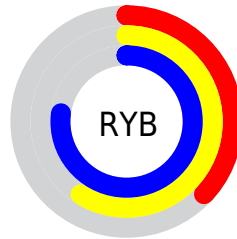
The Yxy color **45.6607, 0.2555, 0.3544** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **21.2124, 0.4349, 0.3071**, and the grayscale version is **37.3829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6152, 0.2655, 0.3494**, and **21.4532, 0.2400, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **44.6062, 0.2487, 0.3602**, and if you desaturate by 10%, it is **46.9886, 0.2640, 0.3488**.

# Distribution



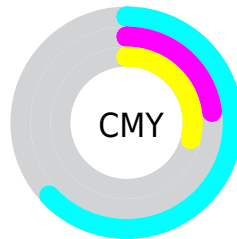
- Red (37%)
- Green (77%)
- Blue (71%)



- Red (37%)
- Yellow (59%)
- Blue (77%)



- Cyan (52%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)




- Cyan (63%)
- Magenta (23%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6607, 0.2555, 0.3544 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 45.6607, 0.2555, 0.3544 by changing the saturation by 10% instead.





 45.6607, 0.2555,  
0.3544

 45.6607, 0.2555,  
0.3544


369.4429, 0.2840,  
0.3418

 31.9782, 0.2484,  
0.3575


 83.7110, 0.2658,  
0.3499

 21.3448, 0.2394,  
0.3615


 108.8475, 0.2697,  
0.3481

 13.3763, 0.2275,  
0.3667


 138.5708, 0.2730,  
0.3467

 7.6882, 0.2111,  
0.3738

 173.2653, 0.2758,  
0.3454

 3.8961, 0.1870,  
0.3842

213.3153, 0.2783,  
0.3443

 1.6156, 0.1434,  
0.4030

259.1054, 0.2804,

 0.3681, 0.0000,

0.3434

0.4556

311.0197, 0.2823,  
0.3426

0.0000, 0.0000,  
0.0000

45.6607, 0.2555,  
0.3544

45.6607, 0.2555,  
0.3544

44.6062, 0.2487,  
0.3602

46.9886, 0.2640,  
0.3488

43.7992, 0.2437,  
0.3661

48.6030, 0.2741,  
0.3435

43.2180, 0.2407,  
0.3721

50.5224, 0.2853,  
0.3385

42.8345, 0.2396,  
0.3780

52.7624, 0.2975,  
0.3339

42.6250, 0.2397,  
0.3828

55.3373, 0.3103,  
0.3297

■ 58.2606, 0.3236,  
0.3259

■ 61.5453, 0.3370,  
0.3225

■ 65.2033, 0.3503,  
0.3195

■ 65.8283, 0.3497,  
0.3162

# Harmonies

## Analogous

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



45.6607, 0.2963, 0.3963



45.6607, 0.2555, 0.3544



45.6607, 0.2309, 0.3074

# Triad

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



45.6607, 0.2555, 0.3544



45.6607, 0.2773, 0.2555



45.6607, 0.4065, 0.3772

# Complementary

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



45.6607, 0.2555, 0.3544



21.2124, 0.4349, 0.3071

# 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.



45.6607, 0.4019, 0.3399



45.6607, 0.2555, 0.3544



45.6607, 0.3240, 0.2729

# Square

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



45.6607, 0.2555, 0.3544



45.6607, 0.2428, 0.2543



45.6607, 0.3708, 0.3029



45.6607, 0.3842, 0.4060



# Rectangle

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



45.6607, 0.2555, 0.3544



45.6607, 0.2257, 0.2818



45.6607, 0.3708, 0.3029



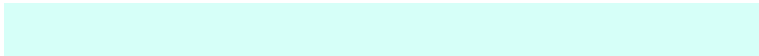
45.6607, 0.4081, 0.3652

# Sweetspot

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



45.6625, 0.2555, 0.3544



92.6362, 0.2920, 0.3359



44.2039, 0.3164, 0.4872



19.6498, 0.2895, 0.3369



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.



45.6625, 0.2555, 0.3544



79.6941, 0.2480, 0.3609



32.6500, 0.2359, 0.2762



12.0360, 0.3006, 0.3329



28.0433, 0.2395, 0.3820



1.3361, 0.2360, 0.3697



# Inverse Universe

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



21.2124, 0.4349, 0.3071



31.2270, 0.4786, 0.3044



28.3863, 0.4341, 0.3741



10.6653, 0.3264, 0.3252



7.8877, 0.6139, 0.3156

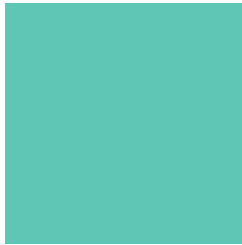


0.3827, 0.5605, 0.2861



# Previews

## White Background



This preview shows how the Yxy color 45.6607, 0.2555, 0.3544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

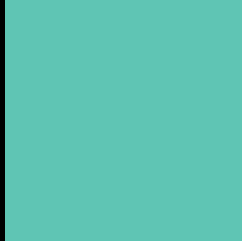
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6607, 0.2555, 0.3544 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 45.6607, 0.2555, 0.3544**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6607, 0.2555, 0.3544.

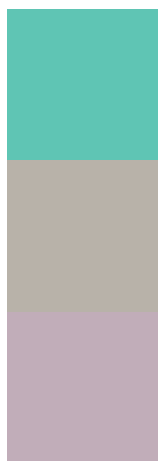


This preview shows how white text looks on a background with the Yxy color 45.6607, 0.2555, 0.3544.

# 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

45.6607, 0.2555, 0.3544

### Protanopia

44.8957, 0.3254, 0.3409

### Deuteranopia

44.7274, 0.3206, 0.3138



## Tritanopia

45.6371, 0.2437, 0.3076

# Trichromacy



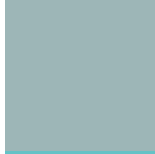
## Original Color

45.6607, 0.2555, 0.3544



## Protanomaly

44.3905, 0.2948, 0.3459



## Deuteranomaly

44.0429, 0.2914, 0.3276



## Tritanomaly

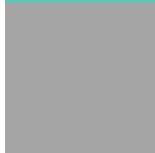
45.4275, 0.2478, 0.3230

# Monochromacy



## Original Color

45.6607, 0.2555, 0.3544



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

39.9220, 0.2872, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6607, 0.2555, 0.3544 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(95, 197, 180)` looks like.

```
.text, #text, p{  
  color:rgb(95, 197, 180)  
}
```

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(95, 197, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 197, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6607, 0.2555, 0.3544 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(95, 197, 180) }
```

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

```
.border{ border-color:rgb(95, 197, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 197, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 197, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 197, 180);  
box-shadow:4px 4px 4px 4px rgb(95, 197,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6607, 0.2555, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 197, 180) }
```

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

```
.background{ background-color: rgb(95, 197,  
180) }
```

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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