

# Converting Colors

$Yxy(45.4136, 0.2567, 0.3358)$

Have a look what the booklet for  
Yxy(45.4136, 0.2567, 0.3358)  
contains.

<b>Yxy(45.5089, 0.2569, 0.3361)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(45.5089, 0.2569, 0.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC2BD
RGB	109, 194, 189
RGB Percent	43%, 76%, 74%
CMY	0.5726, 0.2392, 0.2587
CMYK	0.44, 0.00, 0.03, 0.24
HSL	176°, 41%, 59%
HSV	176°, 44%, 76%
XYZ	34.7850, 45.5089, 55.1090
YIQ	168.0150, -49.0550, -19.5750

# Conversions

## Conversions Part 2

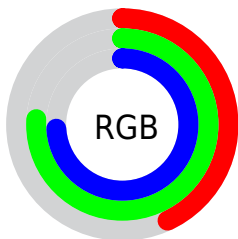
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 153, 194
Decimal	7193277
CIELab	73.23, -26.95, -5.55
CIElCh	73, 27.512, 191.635
Yxy	45.5089, 0.2569, 0.3361
Android (android.graphics.Color)	4285383357 (0xFF6DC2BD)
YUV	168.0150, 10.3456, -51.7562
Hunter-Lab	67.4603, -26.0144, -1.2124

# Details

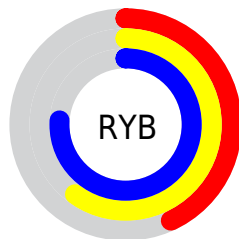
The Yxy color **45.5089, 0.2569, 0.3361** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.6197, 0.4200, 0.3226**, and the grayscale version is **39.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5863, 0.2669, 0.3356**, and **21.2638, 0.2415, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **44.3641, 0.2479, 0.3380**, and if you desaturate by 10%, it is **46.9292, 0.2676, 0.3343**.

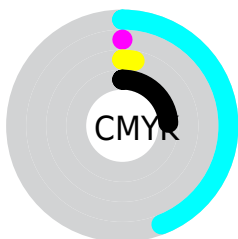
# Distribution



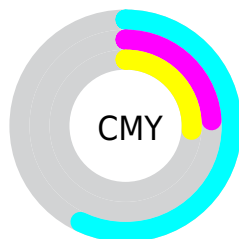
- Red (43%)
- Green (76%)
- Blue (74%)



- Red (43%)
- Yellow (60%)
- Blue (76%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)




- Cyan (57%)
- Magenta (24%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5089, 0.2569, 0.3361 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 45.5089, 0.2569, 0.3361 by changing the saturation by 10% instead.





 45.5089, 0.2569,  
0.3361

 45.5089, 0.2569,  
0.3361


368.8307, 0.2845,  
0.3330

 31.8585, 0.2501,  
0.3367


 83.4835, 0.2669,  
0.3351


 21.2534, 0.2415,  
0.3375


 108.5765, 0.2706,  
0.3347

 13.3094, 0.2301,  
0.3383

 138.2525, 0.2738,  
0.3343

 7.6419, 0.2144,  
0.3391

 172.8958, 0.2766,  
0.3340

 3.8667, 0.1918,  
0.3397

212.8909, 0.2790,  
0.3337

 1.5993, 0.1556,  
0.3392

258.6222, 0.2810,

 0.3571, 0.0000,

0.3334

0.3149

310.4740, 0.2829,  
0.3332

■ 0.0000, 0.0000,  
0.0000

■ 45.5089, 0.2569,  
0.3361

■ 45.5089, 0.2569,  
0.3361

■ 44.3641, 0.2479,  
0.3380

■ 46.9292, 0.2676,  
0.3343

■ 43.4713, 0.2406,  
0.3399

■ 48.6360, 0.2797,  
0.3326

■ 42.8121, 0.2353,  
0.3419


■ 50.6463, 0.2930,  
0.3310


■ 42.3631, 0.2319,  
0.3438

■ 52.9740, 0.3071,  
0.3295


■ 42.0962, 0.2302,  
0.3457


■ 55.6324, 0.3219,  
0.3282

 41.9888, 0.2297,  
0.3469

 58.6340, 0.3369,  
0.3270

 61.9904, 0.3520,  
0.3259

 63.9270, 0.3595,  
0.3249

 63.9796, 0.3586,  
0.3237

# Harmonies

## Analogous

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



45.5089, 0.2867, 0.3725



45.5089, 0.2569, 0.3361



45.5089, 0.2420, 0.3002

# Triad

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



45.5089, 0.2569, 0.3361



45.5089, 0.2970, 0.2718



45.5089, 0.3850, 0.3789

# Complementary

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



45.5089, 0.2569, 0.3361



23.6197, 0.4200, 0.3226

# 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.



45.5089, 0.3891, 0.3501



45.5089, 0.2569, 0.3361



45.5089, 0.3364, 0.2906

# Square

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



45.5089, 0.2569, 0.3361



45.5089, 0.2639, 0.2660



45.5089, 0.3709, 0.3185



45.5089, 0.3609, 0.3967



# Rectangle

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



45.5089, 0.2569, 0.3361



45.5089, 0.2417, 0.2821



45.5089, 0.3709, 0.3185



45.5089, 0.3888, 0.3701

# Sweetspot

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



45.5107, 0.2569, 0.3361



91.9973, 0.2938, 0.3309



43.3105, 0.3104, 0.4623



19.9545, 0.2908, 0.3312



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.



45.5107, 0.2569, 0.3361



80.3704, 0.2478, 0.3380



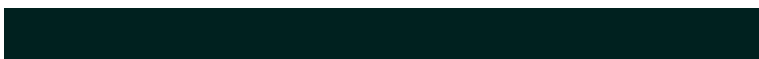
31.3158, 0.2445, 0.2722



11.4180, 0.2992, 0.3303



27.6099, 0.2296, 0.3466



1.1961, 0.2284, 0.3423



# Inverse Universe

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



23.6197, 0.4200, 0.3226



35.4093, 0.4600, 0.3215



33.0792, 0.4038, 0.3788



10.0872, 0.3280, 0.3277



7.5614, 0.6328, 0.3260

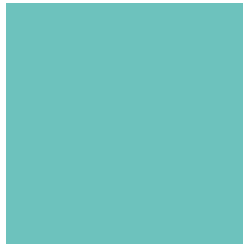


0.3301, 0.6073, 0.3119



# Previews

## White Background



This preview shows how the Yxy color 45.5089, 0.2569, 0.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

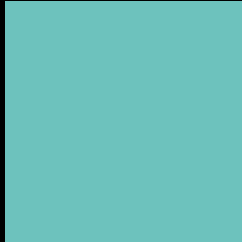
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5089, 0.2569, 0.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

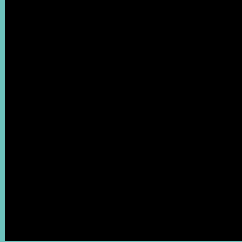
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

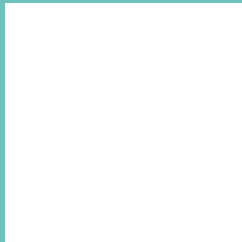
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.5089, 0.2569, 0.3361**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5089, 0.2569, 0.3361.

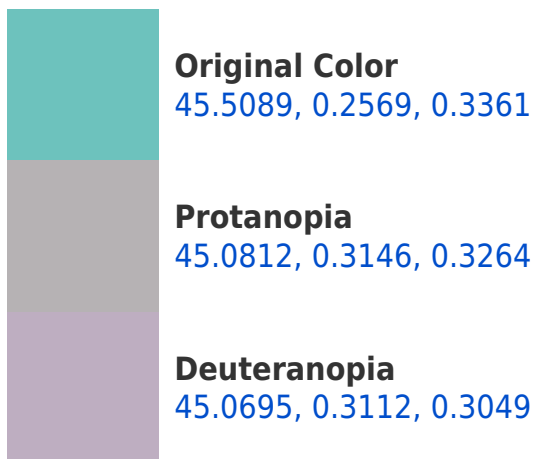


This preview shows how white text looks on a background with the Yxy color 45.5089, 0.2569, 0.3361.

# 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

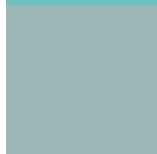
45.3440, 0.2488, 0.3063

# Trichromacy



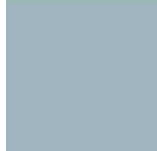
## Original Color

45.5089, 0.2569, 0.3361



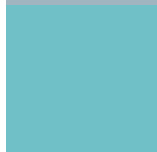
## Protanomaly

44.6684, 0.2899, 0.3303



## Deuteranomaly

44.4306, 0.2880, 0.3141



## Tritanomaly

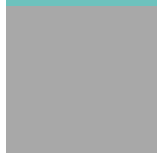
45.3141, 0.2519, 0.3174

# Monochromacy



## Original Color

45.5089, 0.2569, 0.3361



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

40.7819, 0.2883, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5089, 0.2569, 0.3361 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(109, 194, 189)` looks like.

```
.text, #text, p{  
    color:rgb(109, 194, 189)  
}
```

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(109, 194, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 194, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5089, 0.2569, 0.3361 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(109, 194, 189) }
```

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

```
.border{ border-color:rgb(109, 194, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 194, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 194, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 194, 189);  
box-shadow:4px 4px 4px 4px rgb(109, 194,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5089, 0.2569, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 194, 189) }
```

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

```
.background{ background-color: rgb(109,  
194, 189) }
```

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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