

# Converting Colors

$Yxy(45.5324, 0.2531, 0.3494)$

Have a look what the booklet for  
Yxy(45.5324, 0.2531, 0.3494)  
contains.

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# Color

**Yxy(45.6786, 0.2529, 0.3498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DC5B7
RGB	93, 197, 183
RGB Percent	36%, 77%, 72%
CMY	0.6355, 0.2274, 0.2823
CMYK	0.53, 0.00, 0.07, 0.23
HSL	172°, 47%, 57%
HSV	172°, 53%, 77%
XYZ	33.0249, 45.6786, 51.8814
YIQ	164.3080, -57.4900, -26.4020

# Conversions

## Conversions Part 2

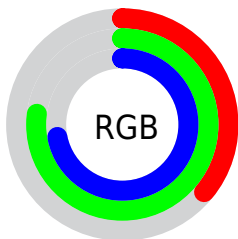
Format	Color
<b>RYB</b>	93, 149, 197
Decimal	6145463
CIELab	73.34, -33.56, -2.18
CIElCh	73, 33.632, 183.722
Yxy	45.6786, 0.2529, 0.3498
Android (android.graphics.Color)	4284335543 (0xFF5DC5B7)
YUV	164.3080, 9.2152, -62.5371
Hunter-Lab	67.5859, -31.0539, 1.7970

# Details

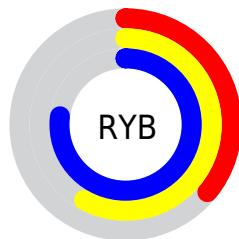
The Yxy color **45.6786, 0.2529, 0.3498** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.7529, 0.4437, 0.3112**, and the grayscale version is **37.2504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6949, 0.2636, 0.3459**, and **21.4633, 0.2366, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **44.6726, 0.2460, 0.3544**, and if you desaturate by 10%, it is **46.9549, 0.2615, 0.3453**.

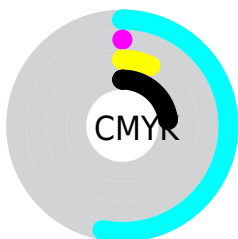
# Distribution



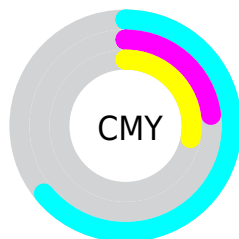
- Red (36%)
- Green (77%)
- Blue (72%)



- Red (36%)
- Yellow (58%)
- Blue (77%)



- Cyan (53%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)




- Cyan (64%)
- Magenta (23%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6786, 0.2529, 0.3498 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 45.6786, 0.2529, 0.3498 by changing the saturation by 10% instead.





 45.6786, 0.2529,  
0.3498


 45.6786, 0.2529,  
0.3498


369.5150, 0.2826,  
0.3397

 31.9923, 0.2456,  
0.3522


 83.7378, 0.2636,  
0.3462


 21.3556, 0.2362,  
0.3553


 108.8794, 0.2677,  
0.3448

 13.3842, 0.2239,  
0.3593


 138.6083, 0.2711,  
0.3436

 7.6936, 0.2070,  
0.3646

 173.3088, 0.2741,  
0.3426

 3.8995, 0.1825,  
0.3720

213.3654, 0.2766,  
0.3417

 1.6175, 0.1390,  
0.3850

259.1623, 0.2789,

 0.3694, 0.0000,

0.3410

0.3997

311.0840, 0.2808,  
0.3403

0.0000, 0.0000,  
0.0000

45.6786, 0.2529,  
0.3498

45.6786, 0.2529,  
0.3498

44.6726, 0.2460,  
0.3544

46.9549, 0.2615,  
0.3453

43.9109, 0.2410,  
0.3591

48.5149, 0.2717,  
0.3411

43.3713, 0.2380,  
0.3638

50.3771, 0.2832,  
0.3370

43.0251, 0.2367,  
0.3685

52.5572, 0.2957,  
0.3333

42.8577, 0.2366,  
0.3719

55.0697, 0.3089,  
0.3299

■ 57.9282, 0.3226,  
0.3268

■ 61.1456, 0.3365,  
0.3240

■ 64.7340, 0.3503,  
0.3216

■ 65.6944, 0.3518,  
0.3190

# Harmonies

## Analogous

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



45.6786, 0.2922, 0.3926



45.6786, 0.2529, 0.3498



45.6786, 0.2302, 0.3037

# Triad

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



45.6786, 0.2529, 0.3498



45.6786, 0.2815, 0.2569



45.6786, 0.4047, 0.3800

# Complementary

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



45.6786, 0.2529, 0.3498



20.7529, 0.4437, 0.3112

# 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.



45.6786, 0.4028, 0.3434



45.6786, 0.2529, 0.3498



45.6786, 0.3285, 0.2756

# Square

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



45.6786, 0.2529, 0.3498



45.6786, 0.2458, 0.2542



45.6786, 0.3741, 0.3063



45.6786, 0.3806, 0.4073



# Rectangle

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



45.6786, 0.2529, 0.3498



45.6786, 0.2263, 0.2792



45.6786, 0.3741, 0.3063



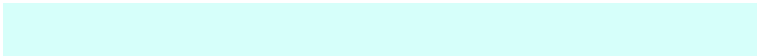
45.6786, 0.4073, 0.3684

# Sweetspot

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



45.6804, 0.2529, 0.3498



92.7178, 0.2913, 0.3346



43.9493, 0.3151, 0.4911



19.6694, 0.2887, 0.3353



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.



45.6804, 0.2529, 0.3498



79.8237, 0.2454, 0.3550



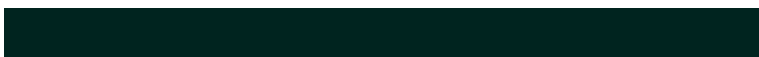
31.7030, 0.2341, 0.2722



12.0421, 0.3001, 0.3321



28.1959, 0.2365, 0.3713



1.3421, 0.2338, 0.3615



# Inverse Universe

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



20.7529, 0.4437, 0.3112



30.5878, 0.4898, 0.3094



28.4602, 0.4360, 0.3771



10.6598, 0.3269, 0.3259



7.8654, 0.6209, 0.3194

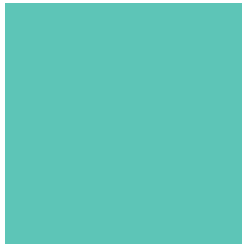


0.3802, 0.5737, 0.2934



# Previews

## White Background



This preview shows how the Yxy color 45.6786, 0.2529, 0.3498 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 45.6786, 0.2529, 0.3498 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

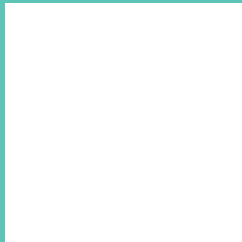
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.6786, 0.2529, 0.3498**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.6786, 0.2529, 0.3498.

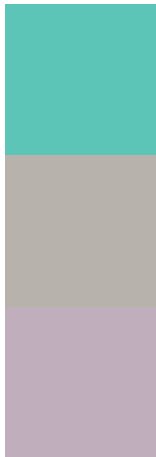


This preview shows how white text looks on a background with the Yxy color 45.6786, 0.2529, 0.3498.

# 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**

45.6786, 0.2529, 0.3498

**Protanopia**

45.0097, 0.3229, 0.3369

**Deuteranopia**

45.1094, 0.3171, 0.3113



## Tritanopia

45.5682, 0.2423, 0.3061

# Trichromacy



**Original Color**

45.6786, 0.2529, 0.3498

**Protanomaly**

44.4118, 0.2919, 0.3416

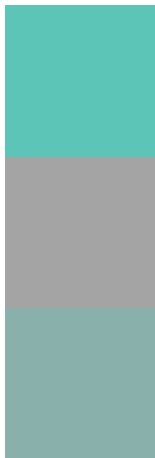
**Deuteranomaly**

44.0690, 0.2884, 0.3234

**Tritanomaly**

45.4064, 0.2458, 0.3201

# Monochromacy



**Original Color**

45.6786, 0.2529, 0.3498

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

39.3942, 0.2848, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6786, 0.2529, 0.3498 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(93, 197, 183)` looks like.

```
.text, #text, p{  
    color:rgb(93, 197, 183)  
}
```

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(93, 197, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 197, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6786, 0.2529, 0.3498 is called "border". The border property can be set on classes, ids or directly on the HTML element.

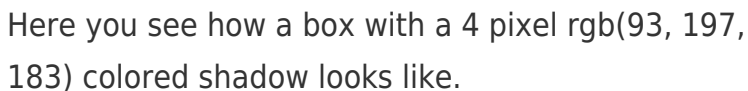
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 197, 183) }
```

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

```
.border{ border-color:rgb(93, 197, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 197, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 197, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 197, 183);  
box-shadow:4px 4px 4px 4px rgb(93, 197,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6786, 0.2529, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 197, 183) }
```

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

```
.background{ background-color: rgb(93, 197,  
183) }
```

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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