

Converting Colors

$Yxy(45.1644, 0.2811, 0.4284)$

Have a look what the booklet for
Yxy(45.1644, 0.2811, 0.4284)
contains.

Yxy(45.0573, 0.2816, 0.4288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0573, 0.2816, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	5FC788
RGB	95, 199, 136
RGB Percent	37%, 78%, 53%
CMY	0.6273, 0.2196, 0.4667
CMYK	0.52, 0.00, 0.32, 0.22
HSL	144°, 48%, 58%
HSV	144°, 52%, 78%
XYZ	29.5899, 45.0573, 30.4305
YIQ	160.7220, -41.7610, -41.6410

Conversions

Conversions Part 2

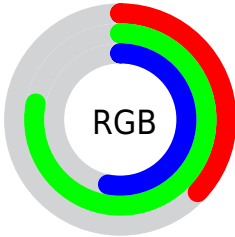
Format	Color
RYB	95, 170, 199
Decimal	6277000
CIELab	72.93, -44.44, 22.57
CIELCh	73, 49.844, 153.081
Yxy	45.0573, 0.2816, 0.4288
Android (android.graphics.Color)	4284467080 (0xFF5FC788)
YUV	160.7220, -12.1879, -57.6382
Hunter-Lab	67.1247, -38.7821, 20.1086

Details

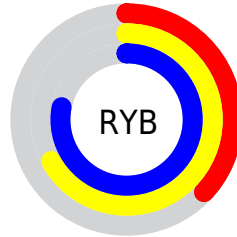
The Yxy color **45.0573, 0.2816, 0.4288** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **22.8039, 0.3692, 0.2489**, and the grayscale version is **35.5826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9131, 0.2880, 0.4067**, and **20.9255, 0.2700, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **43.8017, 0.2785, 0.4522**, and if you desaturate by 10%, it is **46.6273, 0.2861, 0.4062**.

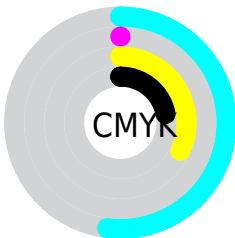
Distribution



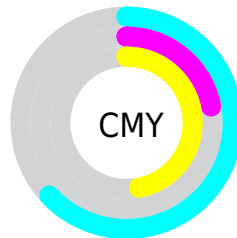
- Red (37%)
- Green (78%)
- Blue (53%)



- Red (37%)
- Yellow (67%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)





- Cyan (63%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0573, 0.2816, 0.4288 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 45.0573, 0.2816, 0.4288 by changing the saturation by 10% instead.


 45.0573, 0.2816,
0.4288


 45.0573, 0.2816,
0.4288


367.0056, 0.2988,
0.3756

 31.5026, 0.2768,
0.4432


 82.8064, 0.2882,
0.4087


 20.9818, 0.2702,
0.4622


 107.7695, 0.2906,
0.4014

 13.1107, 0.2608,
0.4887


 137.3043, 0.2926,
0.3953

 7.5048, 0.2466,
0.5276

 171.7950, 0.2942,
0.3901

 3.7798, 0.2226,
0.5896

211.6261, 0.2956,
0.3857

 1.5511, 0.1508,
0.8492

257.1819, 0.2968,

 0.3243, 0.0000,

0.3819

1.0000

308.8470, 0.2979,
0.3785

0.0000, 0.0000,
0.0000

45.0573, 0.2816,
0.4288

45.0573, 0.2816,
0.4288

43.8017, 0.2785,
0.4522

46.6273, 0.2861,
0.4062

42.8327, 0.2770,
0.4759

48.5264, 0.2916,
0.3851

42.1264, 0.2773,
0.4988

50.7748, 0.2978,
0.3656

41.6524, 0.2795,
0.5202

53.3896, 0.3044,
0.3480

41.4023, 0.2820,
0.5353

56.3866, 0.3112,
0.3323

■ 59.7806, 0.3180,
0.3183

■ 63.5860, 0.3246,
0.3061

■ 67.8159, 0.3311,
0.2953

■ 68.6704, 0.3228,
0.2839

Harmonies

Analogous

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



45.0573, 0.3493, 0.4584



45.0573, 0.2816, 0.4288



45.0573, 0.2258, 0.3606

Triad

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



45.0573, 0.2816, 0.4288



45.0573, 0.2156, 0.2222



45.0573, 0.4466, 0.3446

Complementary

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



45.0573, 0.2816, 0.4288



22.8039, 0.3692, 0.2489

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.



45.0573, 0.4028, 0.2938



45.0573, 0.2816, 0.4288



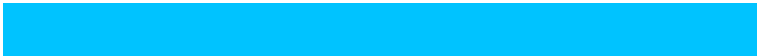
45.0573, 0.2647, 0.2267

Square

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



45.0573, 0.2816, 0.4288



45.0573, 0.1919, 0.2422



45.0573, 0.3332, 0.2522



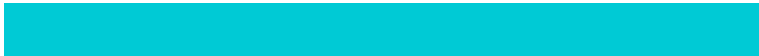
45.0573, 0.4481, 0.3971

Rectangle

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



45.0573, 0.2816, 0.4288



45.0573, 0.2021, 0.3116



45.0573, 0.3332, 0.2522



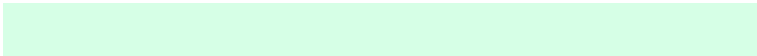
45.0573, 0.4363, 0.3271

Sweetspot

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



45.0591, 0.2816, 0.4288



91.5750, 0.3017, 0.3548



49.0595, 0.3532, 0.4706



19.3963, 0.3003, 0.3585



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.



45.0591, 0.2816, 0.4288



76.3748, 0.2781, 0.4562



46.8638, 0.2523, 0.3467



11.9559, 0.3063, 0.3433



26.6391, 0.2813, 0.5328



1.2756, 0.2694, 0.4898

Inverse Universe

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



22.8039, 0.3692, 0.2489



33.1203, 0.3881, 0.2348



21.3991, 0.4444, 0.3138



10.7431, 0.3197, 0.3151



8.7065, 0.4501, 0.2253



0.4262, 0.4162, 0.2067

Previews

White Background



This preview shows how the Yxy color 45.0573, 0.2816, 0.4288 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 45.0573, 0.2816, 0.4288 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 45.0573, 0.2816, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 45.0573, 0.2816, 0.4288.

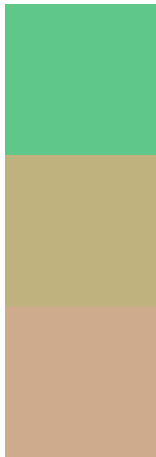


This preview shows how white text looks on a background with the Yxy color 45.0573, 0.2816, 0.4288.

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

45.0573, 0.2816, 0.4288

Protanopia

44.5796, 0.3686, 0.3960

Deuteranopia

44.3442, 0.3725, 0.3656



Tritanopia

44.8606, 0.2491, 0.3063

Trichromacy



Original Color

45.0573, 0.2816, 0.4288



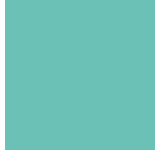
Protanomaly

43.8976, 0.3314, 0.4098



Deuteranomaly

43.0482, 0.3326, 0.3871



Tritanomaly

44.6019, 0.2602, 0.3467

Monochromacy



Original Color

45.0573, 0.2816, 0.4288



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.2453, 0.2982, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0573, 0.2816, 0.4288 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, 199, 136)` looks like.

```
.text, #text, p{  
    color:rgb(95, 199, 136)  
}
```

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, 199, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 199, 136) }
```

Border

The CSS property to change the border of an element to Yxy 45.0573, 0.2816, 0.4288 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, 199, 136) }
```

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

```
.border{ border-color:rgb(95, 199, 136) }
```

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

Here you see how a box with a 4 pixel rgb(95, 199, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 199, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 199, 136);  
box-shadow:4px 4px 4px 4px rgb(95, 199,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0573, 0.2816, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 199, 136) }
```

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

```
.background{ background-color: rgb(95, 199,  
136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor