

Converting Colors

$Y_{xy}(45.6378, 0.2455, 0.3461)$

Have a look what the booklet for
Yxy(45.6378, 0.2455, 0.3461)
contains.

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Color

Yxy(45.6383, 0.2451, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	4FC6BB
RGB	79, 198, 187
RGB Percent	31%, 78%, 73%
CMY	0.6903, 0.2235, 0.2667
CMYK	0.60, 0.00, 0.06, 0.22
HSL	174°, 51%, 54%
HSV	174°, 60%, 78%
XYZ	32.3855, 45.6383, 54.1079
YIQ	161.1650, -67.3930, -28.6490

Conversions

Conversions Part 2

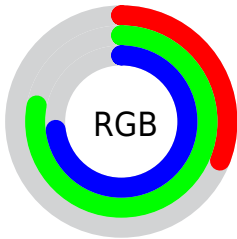
Format	Color
RYB	79, 141, 198
Decimal	5228219
CIELab	73.31, -35.73, -4.43
CIElCh	73, 36.005, 187.071
Yxy	45.6383, 0.2451, 0.3454
Android (android.graphics.Color)	4283418299 (0xFF4FC6BB)
YUV	161.1650, 12.7367, -72.0587
Hunter-Lab	67.5561, -32.6527, -0.1980

Details

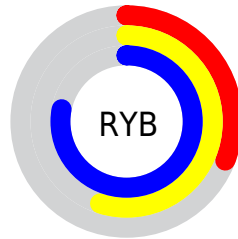
The Yxy color **45.6383, 0.2451, 0.3454** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.3342, 0.4815, 0.3161**, and the grayscale version is **35.6826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5665, 0.2573, 0.3426**, and **21.6677, 0.2305, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **44.8359, 0.2393, 0.3486**, and if you desaturate by 10%, it is **46.6980, 0.2528, 0.3423**.

Distribution



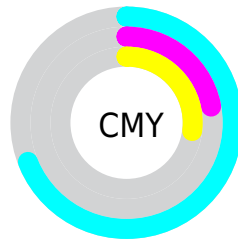
- Red (31%)
- Green (78%)
- Blue (73%)



- Red (31%)
- Yellow (55%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)



- Cyan (69%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6383, 0.2451, 0.3454 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 45.6383, 0.2451, 0.3454 by changing the saturation by 10% instead.


 45.6383, 0.2451,
0.3454

 45.6383, 0.2451,
0.3454


369.3526, 0.2785,
0.3377

 31.9605, 0.2369,
0.3471


 83.6774, 0.2571,
0.3427


 21.3313, 0.2265,
0.3493


 108.8075, 0.2617,
0.3417

 13.3664, 0.2129,
0.3519


 138.5238, 0.2655,
0.3408

 7.6813, 0.1944,
0.3552

 173.2108, 0.2689,
0.3400

 3.8917, 0.1678,
0.3592

213.2527, 0.2717,
0.3393

 1.6132, 0.1200,
0.3665

259.0341, 0.2743,

 0.3665, 0.0000,

0.3387

0.3408

310.9392, 0.2765,
0.3382

0.0000, 0.0000,
0.0000

45.6383, 0.2451,
0.3454

45.6383, 0.2451,
0.3454

44.8359, 0.2393,
0.3486

46.6980, 0.2528,
0.3423

44.2624, 0.2354,
0.3517

48.0301, 0.2622,
0.3393

43.8919, 0.2334,
0.3549

49.6547, 0.2731,
0.3365

43.6733, 0.2328,
0.3579

51.5885, 0.2854,
0.3338

53.8470, 0.2986,
0.3313

■ 56.4445, 0.3126,
0.3290

■ 59.3947, 0.3269,
0.3270

■ 62.7103, 0.3415,
0.3251

■ 65.9863, 0.3543,
0.3235

Harmonies

Analogous

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



45.6383, 0.2853, 0.3932



45.6383, 0.2451, 0.3454



45.6383, 0.2235, 0.2967

Triad

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



45.6383, 0.2451, 0.3454



45.6383, 0.2844, 0.2538



45.6383, 0.4095, 0.3870

Complementary

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



45.6383, 0.2451, 0.3454



18.3342, 0.4815, 0.3161

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.



45.6383, 0.4110, 0.3485



45.6383, 0.2451, 0.3454



45.6383, 0.3353, 0.2753

Square

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



45.6383, 0.2451, 0.3454



45.6383, 0.2447, 0.2488



45.6383, 0.3831, 0.3088



45.6383, 0.3807, 0.4147

Rectangle

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



45.6383, 0.2451, 0.3454



45.6383, 0.2211, 0.2720



45.6383, 0.3831, 0.3088



45.6383, 0.4134, 0.3748

Sweetspot

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



45.6401, 0.2451, 0.3454



92.0392, 0.2877, 0.3333



43.1738, 0.3105, 0.5174



19.4645, 0.2840, 0.3341



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.



45.6401, 0.2451, 0.3454



79.0479, 0.2380, 0.3495



27.6785, 0.2226, 0.2527



12.0500, 0.2996, 0.3311



28.4065, 0.2327, 0.3575



1.3501, 0.2308, 0.3510

Inverse Universe

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



18.3342, 0.4815, 0.3161



26.5287, 0.5400, 0.3163



27.6444, 0.4546, 0.3898



10.6526, 0.3275, 0.3269



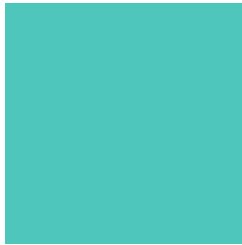
7.8425, 0.6284, 0.3235



0.3769, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 45.6383, 0.2451, 0.3454 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 45.6383, 0.2451, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

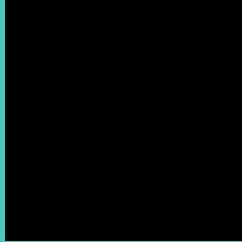
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

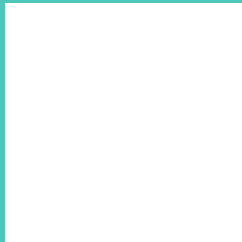
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6383, 0.2451, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 45.6383, 0.2451, 0.3454.

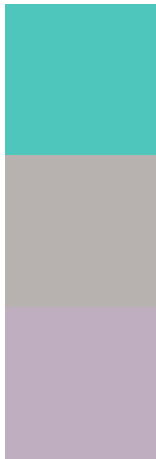


This preview shows how white text looks on a background with the Yxy color 45.6383, 0.2451, 0.3454.

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

45.6383, 0.2451, 0.3454

Protanopia

45.0032, 0.3195, 0.3330

Deuteranopia

45.0250, 0.3120, 0.3062



Tritanopia

45.8072, 0.2366, 0.3074

Trichromacy



Original Color

45.6383, 0.2451, 0.3454



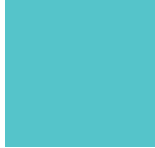
Protanomaly

43.9723, 0.2852, 0.3374



Deuteranomaly

44.0687, 0.2811, 0.3192



Tritanomaly

45.6754, 0.2393, 0.3200

Monochromacy



Original Color

45.6383, 0.2451, 0.3454



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.9997, 0.2799, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6383, 0.2451, 0.3454 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(79, 198, 187)` looks like.

```
.text, #text, p{  
    color:rgb(79, 198, 187)  
}
```

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(79, 198, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 198, 187) }
```

Border

The CSS property to change the border of an element to Yxy 45.6383, 0.2451, 0.3454 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(79, 198, 187) }
```

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

```
.border{ border-color:rgb(79, 198, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 198, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 198, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 198, 187);  
box-shadow:4px 4px 4px 4px rgb(79, 198,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6383, 0.2451, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 198, 187) }
```

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

```
.background{ background-color: rgb(79, 198,  
187) }
```

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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