

Converting Colors

$Y_{xy}(45.5978, 0.2489, 0.3577)$

Have a look what the booklet for
Yxy(45.5978, 0.2489, 0.3577)
contains.

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Color

Yxy(45.8044, 0.2490, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	4FC7B4
RGB	79, 199, 180
RGB Percent	31%, 78%, 71%
CMY	0.6908, 0.2195, 0.2941
CMYK	0.60, 0.00, 0.10, 0.22
HSL	170°, 52%, 54%
HSV	170°, 60%, 78%
XYZ	31.8762, 45.8044, 50.3362
YIQ	160.9540, -65.4210, -31.3490

Conversions

Conversions Part 2

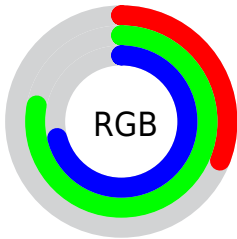
Format	Color
RYB	79, 144, 199
Decimal	5228468
CIELab	73.42, -38.04, -0.48
CIELCh	73, 38.041, 180.716
Yxy	45.8044, 0.2490, 0.3578
Android (android.graphics.Color)	4283418548 (0xFF4FC7B4)
YUV	160.9540, 9.3897, -71.8737
Hunter-Lab	67.6789, -34.3663, 3.2783

Details

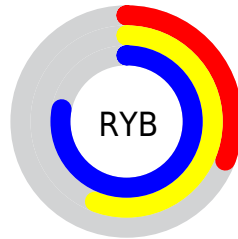
The Yxy color **45.8044, 0.2490, 0.3578** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.5954, 0.4698, 0.3061**, and the grayscale version is **35.5797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0651, 0.2600, 0.3508**, and **21.4788, 0.2348, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **44.9515, 0.2437, 0.3634**, and if you desaturate by 10%, it is **46.9190, 0.2561, 0.3523**.

Distribution



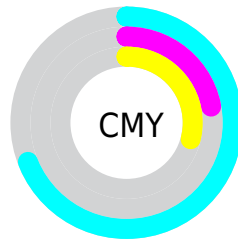
- Red (31%)
- Green (78%)
- Blue (71%)



- Red (31%)
- Yellow (56%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (69%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8044, 0.2490, 0.3578 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 45.8044, 0.2490, 0.3578 by changing the saturation by 10% instead.

 45.8044, 0.2490,
0.3578


 45.8044, 0.2490,
0.3578


370.0217, 0.2807,
0.3435


 32.0915, 0.2412,
0.3613


 83.9262, 0.2605,
0.3527

 21.4314, 0.2312,
0.3658


 109.1039, 0.2648,
0.3507

 13.4397, 0.2181,
0.3716


 138.8719, 0.2684,
0.3491

 7.7320, 0.2000,
0.3797

 173.6148, 0.2716,
0.3476

 3.9240, 0.1738,
0.3912

213.7168, 0.2743,
0.3464

 1.6311, 0.1227,
0.4139

259.5623, 0.2767,

 0.3784, 0.0000,

0.3453

0.4594

311.5358, 0.2788,
0.3444

0.0000, 0.0000,
0.0000

45.8044, 0.2490,
0.3578

45.8044, 0.2490,
0.3578

44.9515, 0.2437,
0.3634

46.9190, 0.2561,
0.3523

44.3314, 0.2404,
0.3690

48.3107, 0.2650,
0.3471

43.9178, 0.2389,
0.3747

49.9999, 0.2753,
0.3421

43.6639, 0.2389,
0.3800

52.0036, 0.2868,
0.3374

54.3374, 0.2992,
0.3331

■ 57.0160, 0.3122,
0.3291

■ 60.0532, 0.3256,
0.3256

■ 63.4620, 0.3391,
0.3224

■ 66.6865, 0.3502,
0.3195

Harmonies

Analogous

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



45.8044, 0.2942, 0.4056



45.8044, 0.2490, 0.3578



45.8044, 0.2219, 0.3046

Triad

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



45.8044, 0.2490, 0.3578



45.8044, 0.2726, 0.2475



45.8044, 0.4177, 0.3815

Complementary

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



45.8044, 0.2490, 0.3578



18.5954, 0.4698, 0.3061

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.



45.8044, 0.4127, 0.3401



45.8044, 0.2490, 0.3578



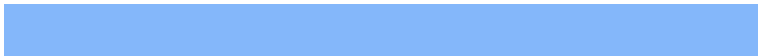
45.8044, 0.3247, 0.2666

Square

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



45.8044, 0.2490, 0.3578



45.8044, 0.2347, 0.2461



45.8044, 0.3775, 0.2995



45.8044, 0.3925, 0.4145

Rectangle

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



45.8044, 0.2490, 0.3578



45.8044, 0.2162, 0.2760



45.8044, 0.3775, 0.2995



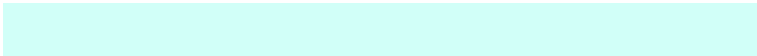
45.8044, 0.4197, 0.3681

Sweetspot

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



45.8062, 0.2490, 0.3578



91.8506, 0.2893, 0.3365



44.0636, 0.3155, 0.5155



19.4178, 0.2858, 0.3378



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.



45.8062, 0.2490, 0.3578



78.3619, 0.2426, 0.3649



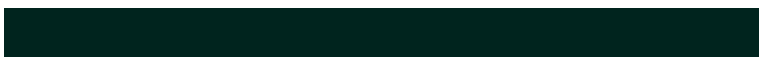
30.5644, 0.2252, 0.2656



12.0376, 0.3005, 0.3327



28.0820, 0.2387, 0.3792



1.3376, 0.2354, 0.3676

Inverse Universe

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



18.5954, 0.4698, 0.3061



26.7468, 0.5238, 0.3056



25.8793, 0.4631, 0.3798



10.6639, 0.3265, 0.3254



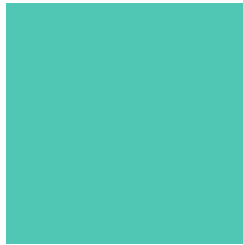
7.8815, 0.6158, 0.3166



0.3821, 0.5638, 0.2880

Previews

White Background



This preview shows how the Yxy color 45.8044, 0.2490, 0.3578 looks on a white background.

Color Contrast Check

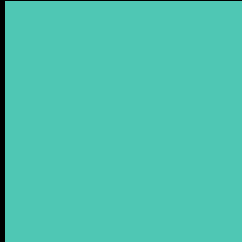
Large Text (above 18pt) WCAG AA × Fail

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 45.8044, 0.2490, 0.3578 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

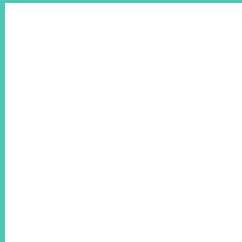
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8044, 0.2490, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 45.8044, 0.2490, 0.3578.

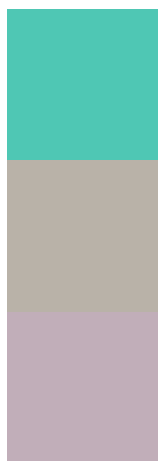


This preview shows how white text looks on a background with the Yxy color 45.8044, 0.2490, 0.3578.

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

45.8044, 0.2490, 0.3578

Protanopia

44.9822, 0.3271, 0.3422

Deuteranopia

45.1123, 0.3205, 0.3151



Tritanopia

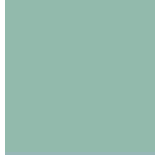
45.9075, 0.2375, 0.3074

Trichromacy



Original Color

45.8044, 0.2490, 0.3578



Protanomaly

44.2074, 0.2909, 0.3490



Deuteranomaly

43.8652, 0.2868, 0.3289



Tritanomaly

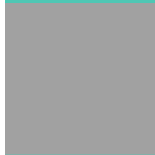
45.6296, 0.2416, 0.3244

Monochromacy



Original Color

45.8044, 0.2490, 0.3578



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.3124, 0.2814, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8044, 0.2490, 0.3578 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, 199, 180)` looks like.

```
.text, #text, p{  
    color:rgb(79, 199, 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(79, 199, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 199, 180) }
```

Border

The CSS property to change the border of an element to Yxy 45.8044, 0.2490, 0.3578 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, 199, 180) }
```

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

```
.border{ border-color:rgb(79, 199, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 199, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 199, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 199, 180);  
box-shadow:4px 4px 4px 4px rgb(79, 199,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8044, 0.2490, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 199, 180) }
```

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

```
.background{ background-color: rgb(79, 199,  
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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