

Converting Colors

$Y_{xy}(45.7875, 0.2493, 0.3422)$

Have a look what the booklet for
Yxy(45.7875, 0.2493, 0.3422)
contains.

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Color

Yxy(45.7875, 0.2493, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	5BC5BC
RGB	91, 197, 188
RGB Percent	36%, 77%, 74%
CMY	0.6432, 0.2274, 0.2627
CMYK	0.54, 0.00, 0.05, 0.23
HSL	175°, 48%, 56%
HSV	175°, 54%, 77%
XYZ	33.3572, 45.7875, 54.6587
YIQ	164.2800, -60.2870, -25.2710

Conversions

Conversions Part 2

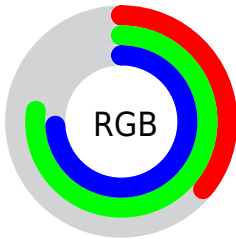
Format	Color
RYB	91, 146, 197
Decimal	6014396
CIELab	73.41, -32.69, -4.80
CIElCh	73, 33.042, 188.353
Yxy	45.7875, 0.2493, 0.3422
Android (android.graphics.Color)	4284204476 (0xFF5BC5BC)
YUV	164.2800, 11.6940, -64.2666
Hunter-Lab	67.6665, -30.4221, -0.5259

Details

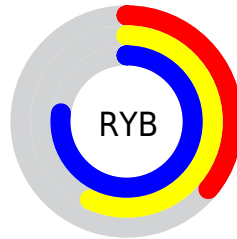
The Yxy color **45.7875, 0.2493, 0.3422** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **20.2718, 0.4558, 0.3179**, and the grayscale version is **37.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8048, 0.2605, 0.3402**, and **21.5228, 0.2319, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **44.8445, 0.2423, 0.3450**, and if you desaturate by 10%, it is **46.9977, 0.2582, 0.3394**.

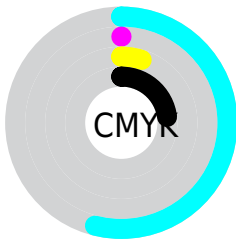
Distribution



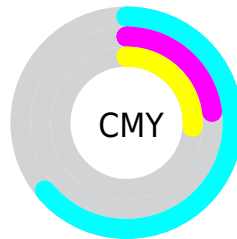
- Red (36%)
- Green (77%)
- Blue (74%)



- Red (36%)
- Yellow (57%)
- Blue (77%)



- Cyan (54%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)





- Cyan (64%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7875, 0.2493, 0.3422 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 45.7875, 0.2493, 0.3422 by changing the saturation by 10% instead.


 45.7875, 0.2493,
0.3422

 45.7875, 0.2493,
0.3422


369.9537, 0.2806,
0.3361

 32.0782, 0.2416,
0.3436


 83.9009, 0.2606,
0.3401

 21.4212, 0.2319,
0.3452


 109.0737, 0.2648,
0.3393

 13.4322, 0.2191,
0.3472


 138.8365, 0.2685,
0.3386

 7.7269, 0.2016,
0.3497

 173.5737, 0.2716,
0.3380

 3.9207, 0.1764,
0.3525

213.6696, 0.2743,
0.3374

 1.6293, 0.1341,
0.3566

259.5086, 0.2767,

 0.3772, 0.0000,

0.3369

311.4752, 0.2788,
0.3365

0.3357

0.0000, 0.0000,
0.0000

45.7875, 0.2493,
0.3422

45.7875, 0.2493,
0.3422

44.8445, 0.2423,
0.3450

46.9977, 0.2582,
0.3394

44.1422, 0.2371,
0.3479

48.4885, 0.2686,
0.3368

43.6582, 0.2339,
0.3508

50.2786, 0.2805,
0.3343

43.3632, 0.2324,
0.3537

52.3839, 0.2935,
0.3319

43.2412, 0.2321,
0.3554

54.8189, 0.3073,
0.3298

■ 57.5973, 0.3217,
0.3278

■ 60.7320, 0.3363,
0.3261

■ 64.2352, 0.3510,
0.3245

■ 65.5089, 0.3548,
0.3229

Harmonies

Analogous

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



45.7875, 0.2859, 0.3859



45.7875, 0.2493, 0.3422



45.7875, 0.2299, 0.2981

Triad

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



45.7875, 0.2493, 0.3422



45.7875, 0.2887, 0.2600



45.7875, 0.4010, 0.3842

Complementary

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



45.7875, 0.2493, 0.3422



20.2718, 0.4558, 0.3179

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.



45.7875, 0.4033, 0.3490



45.7875, 0.2493, 0.3422



45.7875, 0.3356, 0.2806

Square

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



45.7875, 0.2493, 0.3422



45.7875, 0.2513, 0.2548



45.7875, 0.3788, 0.3121



45.7875, 0.3739, 0.4085

Rectangle

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



45.7875, 0.2493, 0.3422



45.7875, 0.2282, 0.2756



45.7875, 0.3788, 0.3121



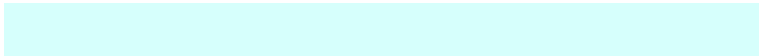
45.7875, 0.4048, 0.3732

Sweetspot

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



45.7893, 0.2493, 0.3422



92.8452, 0.2902, 0.3325



43.4908, 0.3114, 0.4963



19.7001, 0.2875, 0.3330



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.



45.7893, 0.2493, 0.3422



80.0029, 0.2410, 0.3457



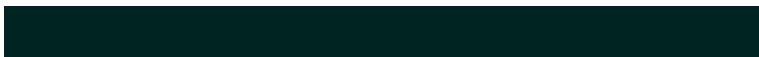
29.5648, 0.2310, 0.2622



12.0514, 0.2995, 0.3309



28.4465, 0.2320, 0.3550



1.3516, 0.2303, 0.3491

Inverse Universe

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



20.2718, 0.4558, 0.3179



29.4322, 0.5095, 0.3170



29.5102, 0.4349, 0.3847



10.6513, 0.3276, 0.3271



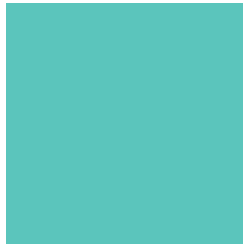
7.8390, 0.6295, 0.3241



0.3763, 0.5960, 0.3057

Previews

White Background



This preview shows how the Yxy color 45.7875, 0.2493, 0.3422 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 45.7875, 0.2493, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

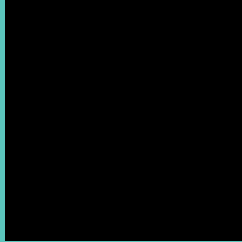
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

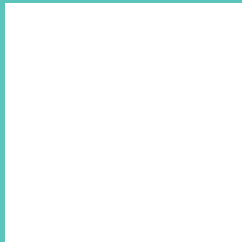
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7875, 0.2493, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 45.7875, 0.2493, 0.3422.

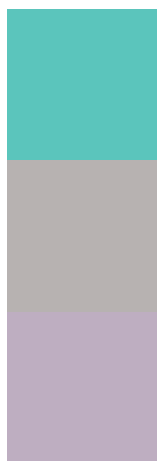


This preview shows how white text looks on a background with the Yxy color 45.7875, 0.2493, 0.3422.

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

45.7875, 0.2493, 0.3422

Protanopia

45.0824, 0.3179, 0.3303

Deuteranopia

45.0695, 0.3112, 0.3049



Tritanopia

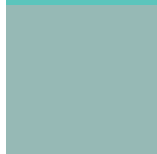
45.8397, 0.2412, 0.3075

Trichromacy



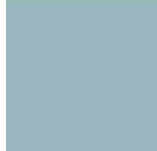
Original Color

45.7875, 0.2493, 0.3422



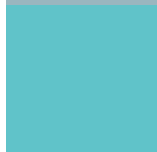
Protanomaly

44.5181, 0.2876, 0.3345



Deuteranomaly

44.0875, 0.2833, 0.3166



Tritanomaly

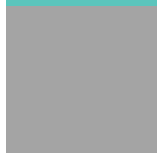
45.7341, 0.2442, 0.3201

Monochromacy



Original Color

45.7875, 0.2493, 0.3422



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.3862, 0.2826, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7875, 0.2493, 0.3422 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(91, 197, 188)` looks like.

```
.text, #text, p{  
    color:rgb(91, 197, 188)  
}
```

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(91, 197, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 197, 188) }
```

Border

The CSS property to change the border of an element to Yxy 45.7875, 0.2493, 0.3422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

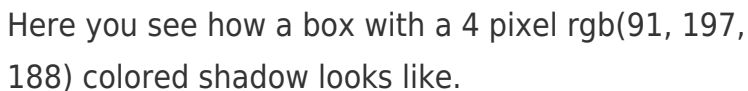
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 197, 188) }
```

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

```
.border{ border-color:rgb(91, 197, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 197, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 197, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 197, 188); box-shadow:4px 4px 4px 4px rgb(91, 197, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7875, 0.2493, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 197, 188) }
```

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

```
.background{ background-color: rgb(91, 197,  
188) }
```

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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