

Converting Colors

$Yxy(45.9443, 0.2434, 0.3303)$

Have a look what the booklet for
Yxy(45.9443, 0.2434, 0.3303)
contains.

Yxy(45.9443, 0.2434, 0.3303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9443, 0.2434, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	57C5C4
RGB	87, 197, 196
RGB Percent	34%, 77%, 77%
CMY	0.6589, 0.2274, 0.2314
CMYK	0.56, 0.00, 0.01, 0.23
HSL	179°, 49%, 56%
HSV	179°, 56%, 77%
XYZ	33.8566, 45.9443, 59.2978
YIQ	163.9960, -65.2390, -23.6310

Conversions

Conversions Part 2

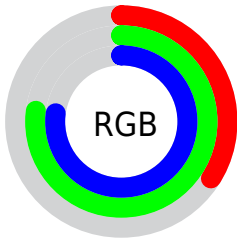
Format	Color
RYB	87, 142, 197
Decimal	5752260
CIELab	73.51, -31.38, -9.00
CIElCh	74, 32.645, 196.003
Yxy	45.9443, 0.2434, 0.3303
Android (android.graphics.Color)	4283942340 (0xFF57C5C4)
YUV	163.9960, 15.7780, -67.5255
Hunter-Lab	67.7822, -29.4597, -4.4210

Details

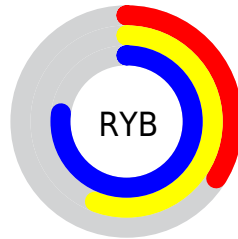
The Yxy color **45.9443, 0.2434, 0.3303** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.3878, 0.4773, 0.3282**, and the grayscale version is **37.0661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1785, 0.2556, 0.3300**, and **21.5979, 0.2252, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **45.1157, 0.2363, 0.3306**, and if you desaturate by 10%, it is **47.0351, 0.2524, 0.3300**.

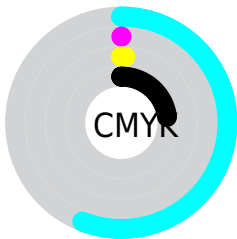
Distribution



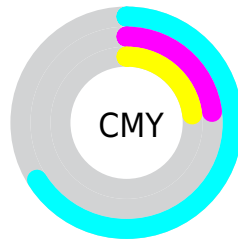
- Red (34%)
- Green (77%)
- Blue (77%)



- Red (34%)
- Yellow (56%)
- Blue (77%)



- Cyan (56%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)




- Cyan (66%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9443, 0.2434, 0.3303 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 45.9443, 0.2434, 0.3303 by changing the saturation by 10% instead.


 45.9443, 0.2434,
0.3303


 45.9443, 0.2434,
0.3303


370.5847, 0.2774,
0.3305

 32.2019, 0.2352,
0.3300


 84.1356, 0.2556,
0.3305

 21.5157, 0.2247,
0.3295


 109.3533, 0.2602,
0.3306

 13.5015, 0.2111,
0.3285


 139.1649, 0.2642,
0.3306

 7.7748, 0.1927,
0.3267

 173.9547, 0.2675,
0.3306

 3.9512, 0.1667,
0.3230

214.1072, 0.2705,
0.3306

 1.6463, 0.1255,
0.3152

260.0068, 0.2731,

 0.3885, 0.0000,

0.3305

0.2692

312.0378, 0.2754,
0.3305

0.0000, 0.0000,
0.0000

45.9443, 0.2434,
0.3303

45.9443, 0.2434,
0.3303

45.1157, 0.2363,
0.3306

47.0351, 0.2524,
0.3300

44.5225, 0.2310,
0.3309

48.4020, 0.2632,
0.3298

44.1412, 0.2276,
0.3312

50.0641, 0.2755,
0.3295

43.9406, 0.2259,
0.3315

52.0374, 0.2892,
0.3293

43.8844, 0.2254,
0.3316

54.3367, 0.3038,
0.3291

■ 56.9758, 0.3191,
0.3289

■ 59.9678, 0.3349,
0.3288

■ 63.3251, 0.3509,
0.3286

■ 65.2568, 0.3592,
0.3285

Harmonies

Analogous

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



45.9443, 0.2758, 0.3752



45.9443, 0.2434, 0.3303



45.9443, 0.2292, 0.2892

Triad

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



45.9443, 0.2434, 0.3303



45.9443, 0.3004, 0.2647



45.9443, 0.3951, 0.3911

Complementary

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



45.9443, 0.2434, 0.3303



19.3878, 0.4773, 0.3282

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.



45.9443, 0.4041, 0.3582



45.9443, 0.2434, 0.3303



45.9443, 0.3472, 0.2883

Square

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



45.9443, 0.2434, 0.3303



45.9443, 0.2601, 0.2554



45.9443, 0.3863, 0.3214



45.9443, 0.3635, 0.4105

Rectangle

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



45.9443, 0.2434, 0.3303



45.9443, 0.2309, 0.2699



45.9443, 0.3863, 0.3214



45.9443, 0.4010, 0.3811

Sweetspot

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



45.9461, 0.2434, 0.3303



92.6591, 0.2872, 0.3293



42.7383, 0.3055, 0.5062



19.6722, 0.2843, 0.3294



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.



45.9461, 0.2434, 0.3303



80.5297, 0.2350, 0.3306



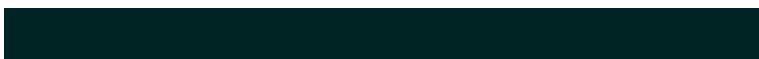
25.9497, 0.2250, 0.2437



12.0658, 0.2985, 0.3292



28.8627, 0.2254, 0.3315



1.3672, 0.2253, 0.3309

Inverse Universe

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



19.3878, 0.4773, 0.3282



28.2917, 0.5349, 0.3283



31.3610, 0.4335, 0.3981



10.6385, 0.3288, 0.3288



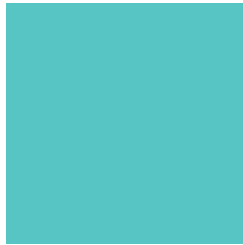
7.8110, 0.6389, 0.3293



0.3704, 0.6348, 0.3271

Previews

White Background



This preview shows how the Yxy color 45.9443, 0.2434, 0.3303 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 45.9443, 0.2434, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

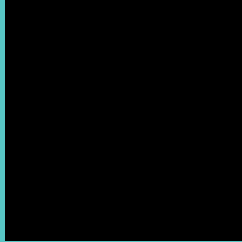
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

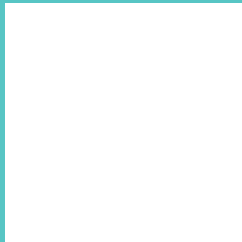
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9443, 0.2434, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 45.9443, 0.2434, 0.3303.



This preview shows how white text looks on a background with the Yxy color 45.9443, 0.2434, 0.3303.

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

45.9443, 0.2434, 0.3303

Protanopia

45.1673, 0.3097, 0.3199

Deuteranopia

45.4418, 0.3023, 0.2962



Tritanopia

46.0605, 0.2378, 0.3061

Trichromacy



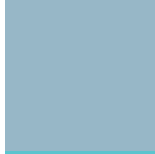
Original Color

45.9443, 0.2434, 0.3303



Protanomaly

44.5751, 0.2798, 0.3233



Deuteranomaly

44.5698, 0.2757, 0.3072



Tritanomaly

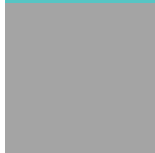
46.1602, 0.2397, 0.3144

Monochromacy



Original Color

45.9443, 0.2434, 0.3303



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.4195, 0.2796, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9443, 0.2434, 0.3303 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(87, 197, 196)` looks like.

```
.text, #text, p{  
    color:rgb(87, 197, 196)  
}
```

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(87, 197, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 197, 196) }
```

Border

The CSS property to change the border of an element to Yxy 45.9443, 0.2434, 0.3303 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(87, 197, 196) }
```

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

```
.border{ border-color:rgb(87, 197, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 197, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 197, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 197, 196);  
box-shadow:4px 4px 4px 4px rgb(87, 197,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9443, 0.2434, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 197, 196) }
```

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

```
.background{ background-color: rgb(87, 197,  
196) }
```

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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