

Converting Colors

$Y_{xy}(45.4088, 0.2351, 0.3218)$

Have a look what the booklet for
Yxy(45.4088, 0.2351, 0.3218)
contains.

Yxy(45.5273, 0.2353, 0.3229)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.5273, 0.2353, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	48C5C9
RGB	72, 197, 201
RGB Percent	28%, 77%, 79%
CMY	0.7179, 0.2274, 0.2118
CMYK	0.64, 0.02, 0.00, 0.21
HSL	182°, 54%, 54%
HSV	182°, 64%, 79%
XYZ	33.1761, 45.5273, 62.2916
YIQ	160.0810, -75.7840, -25.2560

Conversions

Conversions Part 2

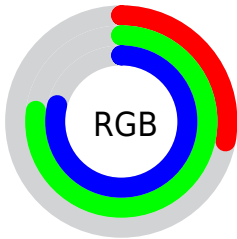
Format	Color
RYB	72, 135, 201
Decimal	4769225
CIELab	73.24, -32.60, -12.17
CIElCh	73, 34.798, 200.474
Yxy	45.5273, 0.2353, 0.3229
Android (android.graphics.Color)	4282959305 (0xFF48C5C9)
YUV	160.0810, 20.1731, -77.2470
Hunter-Lab	67.4739, -30.3130, -7.5045

Details

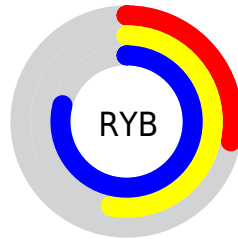
The Yxy color **45.5273, 0.2353, 0.3229** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.0398, 0.5153, 0.3340**, and the grayscale version is **35.1164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2545, 0.2499, 0.3277**, and **21.7515, 0.2224, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **44.5986, 0.2293, 0.3219**, and if you desaturate by 10%, it is **46.7130, 0.2432, 0.3239**.

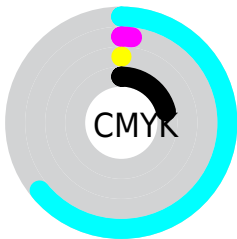
Distribution



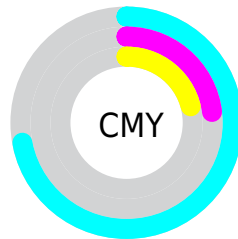
- Red (28%)
- Green (77%)
- Blue (79%)



- Red (28%)
- Yellow (53%)
- Blue (79%)



- Cyan (64%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)





- Cyan (72%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5273, 0.2353, 0.3229 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 45.5273, 0.2353, 0.3229 by changing the saturation by 10% instead.

 45.5273, 0.2353,
0.3229

 45.5273, 0.2353,
0.3229


368.9050, 0.2731,
0.3270


 31.8730, 0.2262,
0.3215


 83.5111, 0.2488,
0.3246


 21.2645, 0.2147,
0.3196


 108.6094, 0.2540,
0.3252

 13.3175, 0.1998,
0.3167

 138.2911, 0.2583,
0.3257

 7.6475, 0.1799,
0.3121

 172.9406, 0.2621,
0.3261

 3.8702, 0.1520,
0.3041

212.9424, 0.2654,
0.3264

 1.6012, 0.1079,
0.2893

258.6808, 0.2683,

 0.3584, 0.0000,

0.3266

0.2203

310.5402, 0.2708,
0.3269

0.0000, 0.0000,
0.0000

45.5273, 0.2353,
0.3229

45.5273, 0.2353,
0.3229

44.5986, 0.2293,
0.3219

46.7130, 0.2432,
0.3239

43.8959, 0.2252,
0.3208

48.1726, 0.2529,
0.3250

43.3900, 0.2229,
0.3198

49.9278, 0.2643,
0.3260

43.1537, 0.2220,
0.3193

51.9965, 0.2772,
0.3269

54.3953, 0.2913,
0.3278

■ 57.1395, 0.3062,
0.3287

■ 60.2435, 0.3218,
0.3294

■ 63.7209, 0.3376,
0.3301

■ 67.5846, 0.3536,
0.3308

Harmonies

Analogous

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



45.5273, 0.2670, 0.3719



45.5273, 0.2353, 0.3229



45.5273, 0.2235, 0.2809

Triad

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



45.5273, 0.2353, 0.3229



45.5273, 0.3067, 0.2636



45.5273, 0.3968, 0.3993

Complementary

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



45.5273, 0.2353, 0.3229



18.0398, 0.5153, 0.3340

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.



45.5273, 0.4108, 0.3654



45.5273, 0.2353, 0.3229



45.5273, 0.3566, 0.2904

Square

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



45.5273, 0.2353, 0.3229



45.5273, 0.2621, 0.2512



45.5273, 0.3960, 0.3264



45.5273, 0.3602, 0.4173

Rectangle

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



45.5273, 0.2353, 0.3229



45.5273, 0.2275, 0.2624



45.5273, 0.3960, 0.3264



45.5273, 0.4044, 0.3891

Sweetspot

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



45.5290, 0.2353, 0.3229



90.9908, 0.2840, 0.3274



43.6400, 0.3022, 0.5319



19.2262, 0.2800, 0.3271



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.



45.5290, 0.2353, 0.3229



75.8554, 0.2275, 0.3215



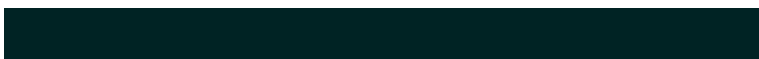
22.7274, 0.2114, 0.2207



12.0092, 0.2984, 0.3282



27.1618, 0.2221, 0.3194



1.3041, 0.2226, 0.3215

Inverse Universe

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



21.0736, 0.3242, 0.1873



31.1881, 0.3263, 0.1700



31.2362, 0.4530, 0.4110



10.8108, 0.3142, 0.3069



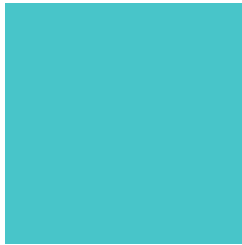
10.2820, 0.3287, 0.1584



0.4887, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 45.5273, 0.2353, 0.3229 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 45.5273, 0.2353, 0.3229 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

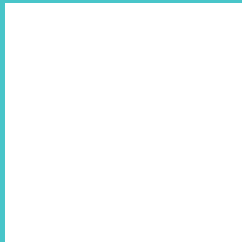
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5273, 0.2353, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 45.5273, 0.2353, 0.3229.

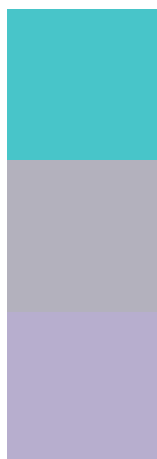


This preview shows how white text looks on a background with the Yxy color 45.5273, 0.2353, 0.3229.

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

45.5273, 0.2353, 0.3229

Protanopia

44.7021, 0.3049, 0.3133

Deuteranopia

44.7956, 0.2951, 0.2886



Tritanopia

45.3111, 0.2317, 0.3057

Trichromacy



Original Color

45.5273, 0.2353, 0.3229



Protanomaly

43.7067, 0.2719, 0.3163



Deuteranomaly

43.6552, 0.2666, 0.2988



Tritanomaly

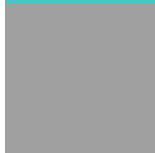
45.4807, 0.2332, 0.3128

Monochromacy



Original Color

45.5273, 0.2353, 0.3229



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.5715, 0.2739, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5273, 0.2353, 0.3229 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(72, 197, 201)` looks like.

```
.text, #text, p{  
    color:rgb(72, 197, 201)  
}
```

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(72, 197, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 197, 201) }
```

Border

The CSS property to change the border of an element to Yxy 45.5273, 0.2353, 0.3229 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(72, 197, 201) }
```

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

```
.border{ border-color:rgb(72, 197, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 197, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 197, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 197, 201);  
box-shadow:4px 4px 4px 4px rgb(72, 197,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5273, 0.2353, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 197, 201) }
```

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

```
.background{ background-color: rgb(72, 197,  
201) }
```

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