

Converting Colors

$Yxy(51.5077, 0.2438, 0.3381)$

Have a look what the booklet for
Yxy(51.5077, 0.2438, 0.3381)
contains.

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Color

Yxy(51.4023, 0.2438, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	57D0CA
RGB	87, 208, 202
RGB Percent	34%, 82%, 79%
CMY	0.6584, 0.1843, 0.2079
CMYK	0.58, 0.00, 0.03, 0.18
HSL	177°, 56%, 58%
HSV	177°, 58%, 82%
XYZ	37.1535, 51.4023, 63.8376
YIQ	171.1370, -70.1900, -27.5180

Conversions

Conversions Part 2

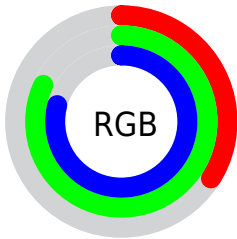
Format	Color
RYB	87, 149, 208
Decimal	5755082
CIELab	76.92, -34.94, -7.18
CIElCh	77, 35.670, 191.615
Yxy	51.4023, 0.2438, 0.3373
Android (android.graphics.Color)	4283945162 (0xFF57D0CA)
YUV	171.1370, 15.2155, -73.7881
Hunter-Lab	71.6954, -32.9659, -2.6051

Details

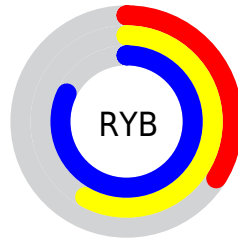
The Yxy color **51.4023, 0.2438, 0.3373** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.0346, 0.4815, 0.3225**, and the grayscale version is **40.7598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **24.9206, 0.2274, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **50.4931, 0.2374, 0.3389**, and if you desaturate by 10%, it is **52.6042, 0.2521, 0.3357**.

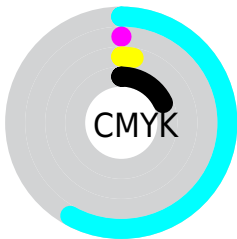
Distribution



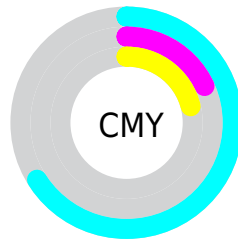
- Red (34%)
- Green (82%)
- Blue (79%)



- Red (34%)
- Yellow (58%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4023, 0.2438, 0.3373 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 51.4023, 0.2438, 0.3373 by changing the saturation by 10% instead.


 51.4023, 0.2438,
0.3373


 51.4023, 0.2438,
0.3373


392.1248, 0.2770,
0.3339

 36.5289, 0.2359,
0.3379


 92.2492, 0.2556,
0.3363

 24.8429, 0.2260,
0.3386


 118.9914, 0.2601,
0.3358

 15.9601, 0.2132,
0.3392


 150.4587, 0.2640,
0.3354

 9.4959, 0.1961,
0.3397

 187.0354, 0.2673,
0.3351

 5.0660, 0.1723,
0.3396

229.1060, 0.2702,
0.3347

 2.2861, 0.1374,
0.3374

277.0548, 0.2728,

 0.7663, 0.0000,

0.3344

331.2663, 0.2750,
0.3342

0.3560

0.0000, 0.0000,
0.0000

51.4023, 0.2438,
0.3373

51.4023, 0.2438,
0.3373

50.4931, 0.2374,
0.3389

52.6042, 0.2521,
0.3357

49.8453, 0.2328,
0.3406

54.1154, 0.2622,
0.3341

49.4307, 0.2302,
0.3422

55.9581, 0.2739,
0.3327

49.2052, 0.2291,
0.3438

58.1510, 0.2868,
0.3313

49.1711, 0.2289,
0.3441

60.7111, 0.3008,
0.3300

■ 63.6546, 0.3155,
0.3288

■ 66.9966, 0.3307,
0.3277

■ 70.7513, 0.3460,
0.3268

■ 71.0862, 0.3464,
0.3257

Harmonies

Analogous

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



51.4023, 0.2800, 0.3840



51.4023, 0.2438, 0.3373



51.4023, 0.2260, 0.2924

Triad

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



51.4023, 0.2438, 0.3373



51.4023, 0.2928, 0.2592



51.4023, 0.4023, 0.3896

Complementary

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



51.4023, 0.2438, 0.3373



21.0346, 0.4815, 0.3225

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.



51.4023, 0.4079, 0.3537



51.4023, 0.2438, 0.3373



51.4023, 0.3418, 0.2819

Square

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



51.4023, 0.2438, 0.3373



51.4023, 0.2525, 0.2519



51.4023, 0.3853, 0.3154



51.4023, 0.3719, 0.4131

Rectangle

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



51.4023, 0.2438, 0.3373



51.4023, 0.2258, 0.2705



51.4023, 0.3853, 0.3154



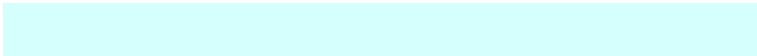
51.4023, 0.4073, 0.3784

Sweetspot

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



51.4043, 0.2438, 0.3373



92.5473, 0.2881, 0.3311



48.1337, 0.3073, 0.5134



19.6454, 0.2853, 0.3314



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.



51.4043, 0.2438, 0.3373



79.7398, 0.2360, 0.3394



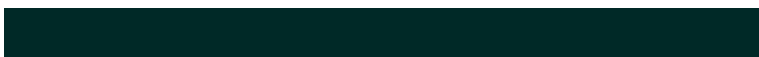
29.5626, 0.2228, 0.2457



13.3965, 0.2990, 0.3301



30.6525, 0.2289, 0.3439



1.7171, 0.2280, 0.3409

Inverse Universe

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



21.0346, 0.4815, 0.3225



27.1596, 0.5406, 0.3226



33.2980, 0.4438, 0.3958



11.8176, 0.3283, 0.3279



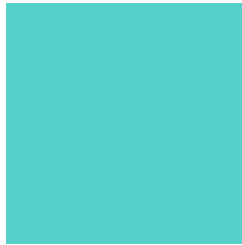
8.3761, 0.6342, 0.3268



0.4718, 0.6158, 0.3166

Previews

White Background



This preview shows how the Yxy color 51.4023, 0.2438, 0.3373 looks on a white background.

Color Contrast Check

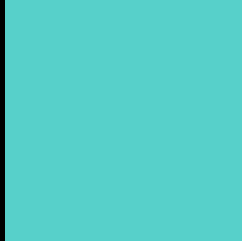
Large Text (above 18pt) WCAG AA × Fail

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 51.4023, 0.2438, 0.3373 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

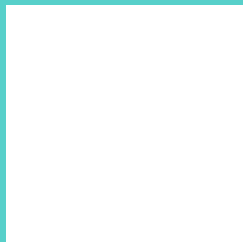
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4023, 0.2438, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 51.4023, 0.2438, 0.3373.

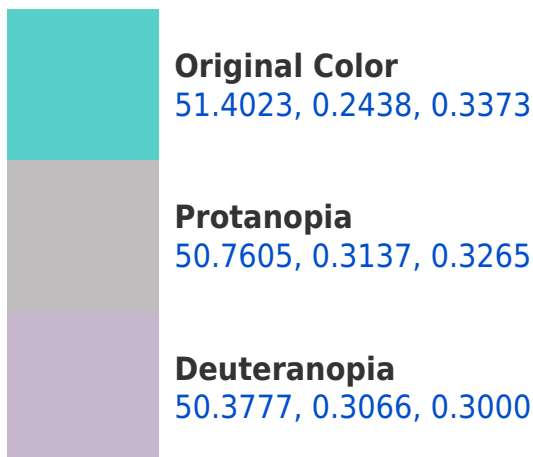


This preview shows how white text looks on a background with the Yxy color 51.4023, 0.2438, 0.3373.

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





Tritanopia

51.3695, 0.2365, 0.3057

Trichromacy



Original Color

51.4023, 0.2438, 0.3373



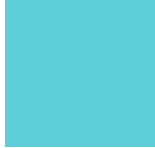
Protanomaly

49.6976, 0.2817, 0.3303



Deuteranomaly

49.3762, 0.2777, 0.3119



Tritanomaly

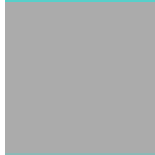
51.3242, 0.2389, 0.3164

Monochromacy



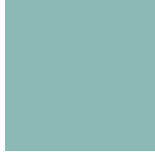
Original Color

51.4023, 0.2438, 0.3373



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.2338, 0.2793, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4023, 0.2438, 0.3373 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, 208, 202)` looks like.

```
.text, #text, p{  
    color:rgb(87, 208, 202)  
}
```

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, 208, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 208, 202) }
```

Border

The CSS property to change the border of an element to Yxy 51.4023, 0.2438, 0.3373 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, 208, 202) }
```

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

```
.border{ border-color:rgb(87, 208, 202) }
```

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

Here you see how a box with a 4 pixel rgb(87, 208, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 208, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 208, 202);  
box-shadow:4px 4px 4px 4px rgb(87, 208,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4023, 0.2438, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 208, 202) }
```

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

```
.background{ background-color: rgb(87, 208,  
202) }
```

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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