

Converting Colors

$Yxy(51.7410, 0.2395, 0.3495)$

Have a look what the booklet for
Yxy(51.7410, 0.2395, 0.3495)
contains.

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Color

Yxy(51.6765, 0.2393, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	3FD3C5
RGB	63, 211, 197
RGB Percent	25%, 83%, 77%
CMY	0.7528, 0.1725, 0.2275
CMYK	0.70, 0.00, 0.07, 0.17
HSL	174°, 63%, 54%
HSV	174°, 70%, 83%
XYZ	35.4230, 51.6765, 60.9282
YIQ	165.1520, -83.7140, -35.7300

Conversions

Conversions Part 2

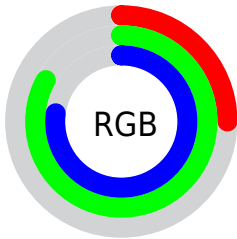
Format	Color
RYB	63, 141, 211
Decimal	4182981
CIELab	77.09, -41.42, -4.31
CIELCh	77, 41.641, 185.948
Yxy	51.6765, 0.2393, 0.3491
Android (android.graphics.Color)	4282373061 (0xFF3FD3C5)
YUV	165.1520, 15.7011, -89.5873
Hunter-Lab	71.8864, -37.8427, 0.0684

Details

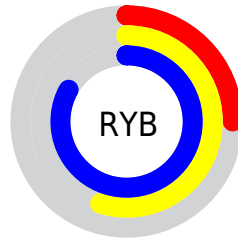
The Yxy color **51.6765, 0.2393, 0.3491** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.9444, 0.5275, 0.3157**, and the grayscale version is **37.6621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4216, 0.2486, 0.3299**, and **25.7601, 0.2318, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **51.0205, 0.2355, 0.3524**, and if you desaturate by 10%, it is **52.6038, 0.2451, 0.3459**.

Distribution



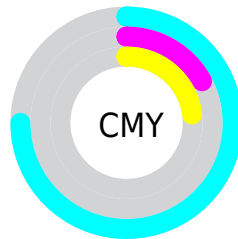
- Red (25%)
- Green (83%)
- Blue (77%)



- Red (25%)
- Yellow (55%)
- Blue (83%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (17%)




- Cyan (75%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6765, 0.2393, 0.3491 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 51.6765, 0.2393, 0.3491 by changing the saturation by 10% instead.


 51.6765, 0.2393,
0.3491


 51.6765, 0.2393,
0.3491


393.1864, 0.2748,
0.3398


 36.7473, 0.2309,
0.3512


 92.6540, 0.2519,
0.3459

 25.0119, 0.2203,
0.3537


 119.4710, 0.2567,
0.3447

 16.0859, 0.2066,
0.3568


 151.0195, 0.2608,
0.3436

 9.5850, 0.1883,
0.3607

 187.6837, 0.2644,
0.3426

 5.1247, 0.1630,
0.3655

229.8481, 0.2675,
0.3418

 2.3206, 0.1259,
0.3712

277.8971, 0.2702,

 0.7846, 0.0000,

0.3411

0.4016

332.2151, 0.2726,
0.3404

■ 0.0000, 0.0000,
0.0000

■ 51.6765, 0.2393,
0.3491

■ 51.6765, 0.2393,
0.3491

■ 51.0205, 0.2355,
0.3524

■ 52.6038, 0.2451,
0.3459

■ 50.5975, 0.2335,
0.3556

■ 53.8236, 0.2527,
0.3427


■ 50.3524, 0.2330,
0.3587


■ 55.3619, 0.2621,
0.3396


■ 57.2399, 0.2731,
0.3367

■ 59.4774, 0.2853,
0.3339

 62.0922, 0.2986,
0.3314

 65.1014, 0.3125,
0.3290

 68.5206, 0.3270,
0.3269

 72.3650, 0.3415,
0.3250

Harmonies

Analogous

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



51.6765, 0.2839, 0.4026



51.6765, 0.2393, 0.3491



51.6765, 0.2151, 0.2944

Triad

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



51.6765, 0.2393, 0.3491



51.6765, 0.2793, 0.2461



51.6765, 0.4204, 0.3906

Complementary

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



51.6765, 0.2393, 0.3491



17.9444, 0.5275, 0.3157

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.



51.6765, 0.4213, 0.3480



51.6765, 0.2393, 0.3491



51.6765, 0.3353, 0.2689

Square

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



51.6765, 0.2393, 0.3491



51.6765, 0.2365, 0.2410



51.6765, 0.3891, 0.3049



51.6765, 0.3891, 0.4229

Rectangle

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



51.6765, 0.2393, 0.3491



51.6765, 0.2120, 0.2669



51.6765, 0.3891, 0.3049



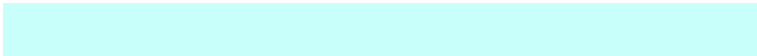
51.6765, 0.4245, 0.3770

Sweetspot

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



51.6785, 0.2393, 0.3491



90.8978, 0.2839, 0.3342



48.5613, 0.3086, 0.5486



19.2422, 0.2804, 0.3350



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.



51.6785, 0.2393, 0.3491



77.9697, 0.2343, 0.3539



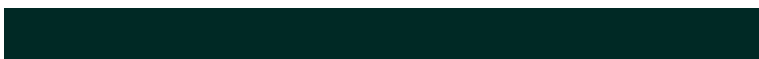
28.1576, 0.2103, 0.2368



13.3870, 0.2996, 0.3312



30.3953, 0.2329, 0.3583



1.7053, 0.2312, 0.3524

Inverse Universe

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



17.9444, 0.5275, 0.3157



23.1698, 0.5899, 0.3188



28.1820, 0.4877, 0.3956



11.8262, 0.3276, 0.3268



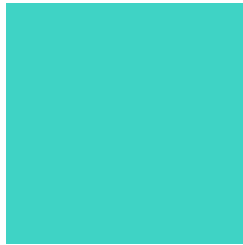
8.3950, 0.6284, 0.3235



0.4758, 0.5957, 0.3055

Previews

White Background



This preview shows how the Yxy color 51.6765, 0.2393, 0.3491 looks on a white background.

Color Contrast Check

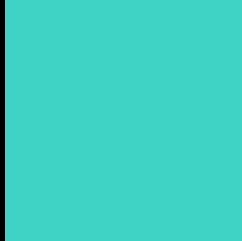
Large Text (above 18pt) WCAG AA × Fail

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 51.6765, 0.2393, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

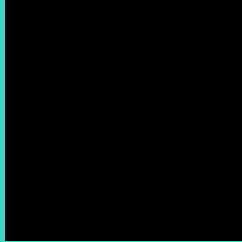
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

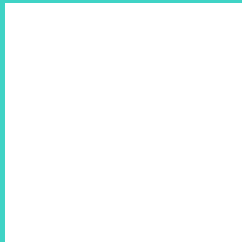
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6765, 0.2393, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 51.6765, 0.2393, 0.3491.

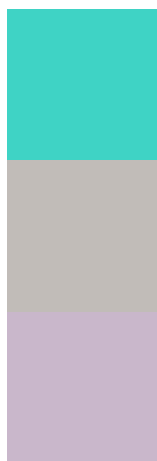


This preview shows how white text looks on a background with the Yxy color 51.6765, 0.2393, 0.3491.

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

51.6765, 0.2393, 0.3491

Protanopia

50.7646, 0.3200, 0.3340

Deuteranopia

50.5963, 0.3122, 0.3049



Tritanopia

51.6272, 0.2303, 0.3055

Trichromacy



Original Color

51.6765, 0.2393, 0.3491



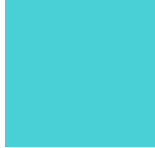
Protanomaly

49.2650, 0.2802, 0.3385



Deuteranomaly

48.9363, 0.2756, 0.3182



Tritanomaly

51.3833, 0.2334, 0.3204

Monochromacy



Original Color

51.6765, 0.2393, 0.3491



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.2194, 0.2739, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6765, 0.2393, 0.3491 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(63, 211, 197)` looks like.

```
.text, #text, p{  
    color:rgb(63, 211, 197)  
}
```

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(63, 211, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 211, 197) }
```

Border

The CSS property to change the border of an element to Yxy 51.6765, 0.2393, 0.3491 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(63, 211, 197) }
```

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

```
.border{ border-color:rgb(63, 211, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 211, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 211, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 211, 197);  
box-shadow:4px 4px 4px 4px rgb(63, 211,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6765, 0.2393, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 211, 197) }
```

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

```
.background{ background-color: rgb(63, 211,  
197) }
```

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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