

Converting Colors

$Yxy(51.7316, 0.2261, 0.3268)$

Have a look what the booklet for
Yxy(51.7316, 0.2261, 0.3268)
contains.

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Color

Yxy(51.6395, 0.2258, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	1CD3D5
RGB	28, 211, 213
RGB Percent	11%, 83%, 84%
CMY	0.8911, 0.1725, 0.1647
CMYK	0.87, 0.01, 0.00, 0.16
HSL	181°, 77%, 47%
HSV	181°, 87%, 84%
XYZ	35.7785, 51.6395, 71.0340
YIQ	156.5110, -109.7100, -38.1740

Conversions

Conversions Part 2

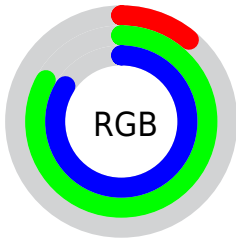
Format	Color
RYB	28, 120, 213
Decimal	1889237
CIELab	77.06, -40.12, -13.00
CIELCh	77, 42.176, 197.957
Yxy	51.6395, 0.2258, 0.3259
Android (android.graphics.Color)	4280079317 (0xFF1CD3D5)
YUV	156.5110, 27.8491, -112.7041
Hunter-Lab	71.8606, -36.8833, -8.3056

Details

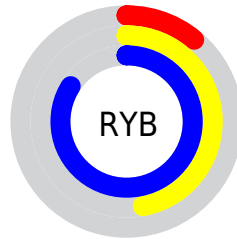
The Yxy color **51.6395, 0.2258, 0.3259** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.1459, 0.6140, 0.3309**, and the grayscale version is **33.3657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.2456, 0.2236, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **51.3257, 0.2241, 0.3256**, and if you desaturate by 10%, it is **52.1665, 0.2291, 0.3263**.

Distribution



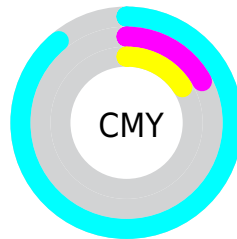
- Red (11%)
- Green (83%)
- Blue (84%)



- Red (11%)
- Yellow (47%)
- Blue (84%)



- Cyan (87%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)




- Cyan (89%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6395, 0.2258, 0.3259 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 51.6395, 0.2258, 0.3259 by changing the saturation by 10% instead.


 51.6395, 0.2258,
0.3259

 51.6395, 0.2258,
0.3259


393.0433, 0.2672,
0.3288


 36.7178, 0.2161,
0.3248


 92.5994, 0.2403,
0.3272

 24.9891, 0.2041,
0.3233


 119.4063, 0.2460,
0.3276


 16.0689, 0.1889,
0.3209


 150.9438, 0.2508,
0.3279

 9.5729, 0.1689,
0.3169

 187.5963, 0.2549,
0.3282

 5.1167, 0.1420,
0.3101

 229.7480, 0.2586,
0.3284

 2.3159, 0.1046,
0.2968

277.7835, 0.2618,

 0.7821, 0.0000,

0.3285

0.2811

332.0872, 0.2646,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 51.6395, 0.2258,
0.3259

■ 51.6395, 0.2258,
0.3259

■ 51.3257, 0.2241,
0.3256

■ 52.1665, 0.2291,
0.3263

■ 51.2494, 0.2237,
0.3255

■ 52.9418, 0.2343,
0.3266

■ 53.9986, 0.2414,
0.3270

■ 55.3634, 0.2504,
0.3274

■ 57.0599, 0.2612,
0.3277

■ 59.1093, 0.2735,
0.3281

■ 61.5311, 0.2872,
0.3285

■ 64.3433, 0.3020,
0.3288

■ 67.5629, 0.3175,
0.3291

Harmonies

Analogous

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



51.6395, 0.2634, 0.3838



51.6395, 0.2258, 0.3259



51.6395, 0.2108, 0.2760

Triad

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



51.6395, 0.2258, 0.3259



51.6395, 0.3006, 0.2524



51.6395, 0.4122, 0.4064

Complementary

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



51.6395, 0.2258, 0.3259



15.1459, 0.6140, 0.3309

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.



51.6395, 0.4265, 0.3659



51.6395, 0.2258, 0.3259



51.6395, 0.3588, 0.2815

Square

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



51.6395, 0.2258, 0.3259



51.6395, 0.2507, 0.2396



51.6395, 0.4068, 0.3215



51.6395, 0.3711, 0.4310

Rectangle

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



51.6395, 0.2258, 0.3259



51.6395, 0.2140, 0.2540



51.6395, 0.4068, 0.3215



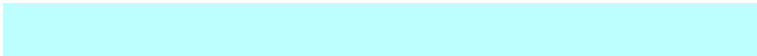
51.6395, 0.4205, 0.3939

Sweetspot

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



51.6414, 0.2258, 0.3259



89.0660, 0.2744, 0.3281



47.9167, 0.3005, 0.5884



18.8169, 0.2699, 0.3280



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.



51.6414, 0.2258, 0.3259



77.0013, 0.2237, 0.3254



18.5738, 0.1862, 0.1797



14.0839, 0.2983, 0.3287



31.3146, 0.2238, 0.3255



1.8963, 0.2239, 0.3261

Inverse Universe

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



19.6699, 0.3230, 0.1604



28.3045, 0.3237, 0.1557



27.7553, 0.5152, 0.4155



12.6303, 0.3140, 0.3063



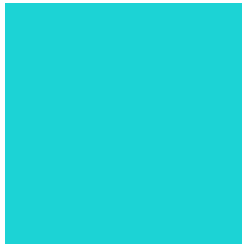
11.5061, 0.3236, 0.1556



0.6948, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 51.6395, 0.2258, 0.3259 looks on a white background.

Color Contrast Check

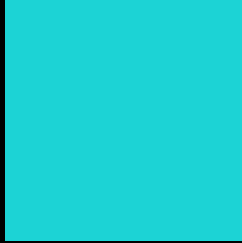
Large Text (above 18pt) WCAG AA × Fail

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 51.6395, 0.2258, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

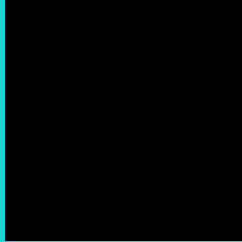
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

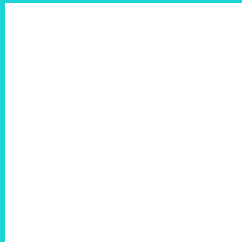
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6395, 0.2258, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 51.6395, 0.2258, 0.3259.



This preview shows how white text looks on a background with the Yxy color 51.6395, 0.2258, 0.3259.

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

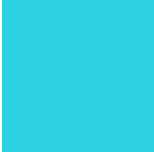
51.6395, 0.2258, 0.3259

Protanopia

50.8625, 0.3060, 0.3166

Deuteranopia

50.7329, 0.2938, 0.2871



Tritanopia

51.6274, 0.2221, 0.3053

Trichromacy



Original Color

51.6395, 0.2258, 0.3259



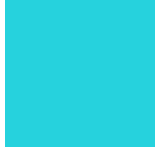
Protanomaly

48.5375, 0.2613, 0.3192



Deuteranomaly

48.5799, 0.2547, 0.2982



Tritanomaly

51.7257, 0.2235, 0.3134

Monochromacy



Original Color

51.6395, 0.2258, 0.3259



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.4762, 0.2600, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6395, 0.2258, 0.3259 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(28, 211, 213)` looks like.

```
.text, #text, p{  
    color:rgb(28, 211, 213)  
}
```

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(28, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 211, 213) }
```

Border

The CSS property to change the border of an element to Yxy 51.6395, 0.2258, 0.3259 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(28, 211, 213) }
```

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

```
.border{ border-color:rgb(28, 211, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 211, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 211, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 211, 213);  
box-shadow:4px 4px 4px 4px rgb(28, 211,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6395, 0.2258, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 211, 213) }
```

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

```
.background{ background-color: rgb(28, 211,  
213) }
```

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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