

Converting Colors

$Y_{xy}(50.8253, 0.2364, 0.3572)$

Have a look what the booklet for
Yxy(50.8253, 0.2364, 0.3572)
contains.

Yxy(50.8256, 0.2363, 0.3570)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.8256, 0.2363, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	27D3C0
RGB	39, 211, 192
RGB Percent	15%, 83%, 75%
CMY	0.8474, 0.1725, 0.2471
CMYK	0.82, 0.00, 0.09, 0.17
HSL	173°, 69%, 49%
HSV	173°, 82%, 83%
XYZ	33.6417, 50.8256, 57.9013
YIQ	157.4060, -96.4130, -42.3730

Conversions

Conversions Part 2

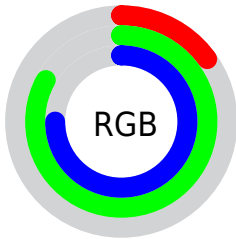
Format	Color
RYB	39, 130, 211
Decimal	2610112
CIELab	76.57, -45.34, -2.42
CIELCh	77, 45.403, 183.062
Yxy	50.8256, 0.2363, 0.3570
Android (android.graphics.Color)	4280800192 (0xFF27D3C0)
YUV	157.4060, 17.0548, -103.8421
Hunter-Lab	71.2921, -40.5295, 1.7509

Details

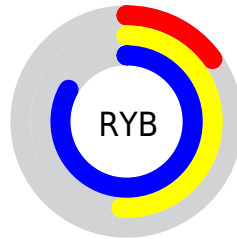
The Yxy color **50.8256, 0.2363, 0.3570** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **15.5999, 0.5732, 0.3154**, and the grayscale version is **33.8523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0792, 0.2465, 0.3369**, and **25.3068, 0.2336, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **50.4222, 0.2347, 0.3608**, and if you desaturate by 10%, it is **51.4631, 0.2397, 0.3532**.

Distribution



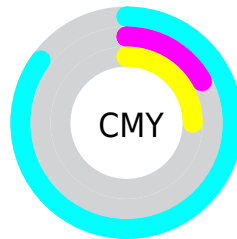
- Red (15%)
- Green (83%)
- Blue (75%)



- Red (15%)
- Yellow (51%)
- Blue (83%)



- Cyan (82%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)




- Cyan (85%)
- Magenta (17%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8256, 0.2363, 0.3570 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 50.8256, 0.2363, 0.3570 by changing the saturation by 10% instead.


 50.8256, 0.2363,
0.3570


 50.8256, 0.2363,
0.3570


389.8858, 0.2734,
0.3437

 36.0698, 0.2274,
0.3601


 91.3969, 0.2495,
0.3523

 24.4881, 0.2163,
0.3640


 117.9813, 0.2545,
0.3505


 15.6961, 0.2018,
0.3689


 149.2773, 0.2588,
0.3490

 9.3094, 0.1826,
0.3752

 185.6693, 0.2625,
0.3476

 4.9435, 0.1557,
0.3837

 227.5418, 0.2658,
0.3465

 2.2142, 0.1140,
0.3962

275.2791, 0.2686,

 0.7277, 0.0000,

0.3454

0.4307

329.2657, 0.2711,
0.3445

■ 0.0000, 0.0000,
0.0000

■ 50.8256, 0.2363,
0.3570

■ 50.8256, 0.2363,
0.3570

■ 50.4222, 0.2347,
0.3608

■ 51.4631, 0.2397,
0.3532

■ 50.2101, 0.2344,
0.3640

■ 52.3622, 0.2451,
0.3493

■ 53.5526, 0.2524,
0.3456

■ 55.0587, 0.2614,
0.3420

■ 56.9020, 0.2720,
0.3385

■ 59.1025, 0.2839,
0.3352

■ 61.6784, 0.2969,
0.3322

■ 64.6467, 0.3105,
0.3294

■ 68.0233, 0.3247,
0.3269

Harmonies

Analogous

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



50.8256, 0.2862, 0.4150



50.8256, 0.2363, 0.3570



50.8256, 0.2081, 0.2957

Triad

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



50.8256, 0.2363, 0.3570



50.8256, 0.2707, 0.2377



50.8256, 0.4321, 0.3909

Complementary

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



50.8256, 0.2363, 0.3570



15.5999, 0.5732, 0.3154

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.



50.8256, 0.4299, 0.3442



50.8256, 0.2363, 0.3570



50.8256, 0.3311, 0.2607

Square

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



50.8256, 0.2363, 0.3570



50.8256, 0.2265, 0.2340



50.8256, 0.3915, 0.2983



50.8256, 0.4001, 0.4287

Rectangle

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



50.8256, 0.2363, 0.3570



50.8256, 0.2032, 0.2644



50.8256, 0.3915, 0.2983



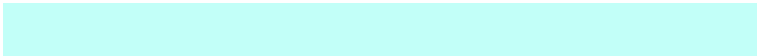
50.8256, 0.4355, 0.3758

Sweetspot

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



50.8275, 0.2363, 0.3570



89.7550, 0.2806, 0.3361



47.6678, 0.3072, 0.5750



18.9488, 0.2763, 0.3372



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.



50.8275, 0.2363, 0.3570



77.1204, 0.2345, 0.3636



25.3953, 0.2003, 0.2238



13.3836, 0.2998, 0.3316



30.3087, 0.2343, 0.3634



1.7012, 0.2324, 0.3565

Inverse Universe

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



15.5999, 0.5732, 0.3154



21.4789, 0.6258, 0.3234



24.0749, 0.5273, 0.3934



11.8292, 0.3273, 0.3265



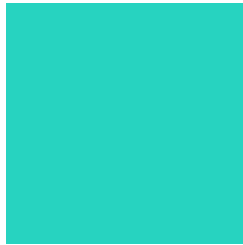
8.4034, 0.6258, 0.3221



0.4772, 0.5890, 0.3019

Previews

White Background



This preview shows how the Yxy color 50.8256, 0.2363, 0.3570 looks on a white background.

Color Contrast Check

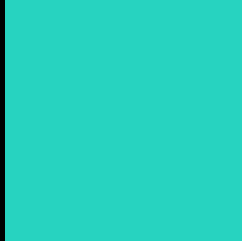
Large Text (above 18pt) WCAG AA × Fail

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 50.8256, 0.2363, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

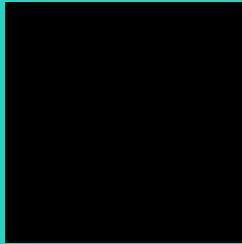
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

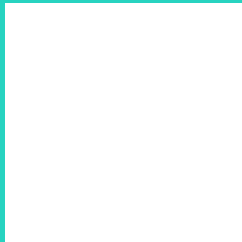
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8256, 0.2363, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 50.8256, 0.2363, 0.3570.

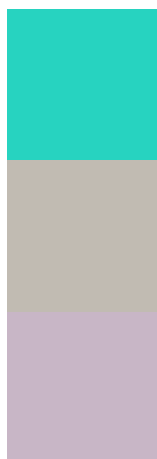


This preview shows how white text looks on a background with the Yxy color 50.8256, 0.2363, 0.3570.

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

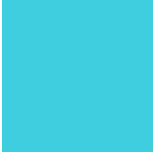
50.8256, 0.2363, 0.3570

Protanopia

50.0925, 0.3248, 0.3404

Deuteranopia

49.8125, 0.3153, 0.3095



Tritanopia

50.5271, 0.2261, 0.3052

Trichromacy



Original Color

50.8256, 0.2363, 0.3570



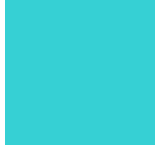
Protanomaly

48.2171, 0.2779, 0.3472



Deuteranomaly

47.7882, 0.2720, 0.3248



Tritanomaly

50.6495, 0.2294, 0.3231

Monochromacy



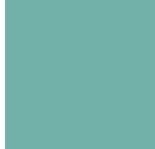
Original Color

50.8256, 0.2363, 0.3570



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.9240, 0.2680, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8256, 0.2363, 0.3570 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(39, 211, 192)` looks like.

```
.text, #text, p{  
    color:rgb(39, 211, 192)  
}
```

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(39, 211, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 211, 192) }
```

Border

The CSS property to change the border of an element to Yxy 50.8256, 0.2363, 0.3570 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(39, 211, 192) }
```

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

```
.border{ border-color:rgb(39, 211, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 211, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 211, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 211, 192);  
box-shadow:4px 4px 4px 4px rgb(39, 211,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8256, 0.2363, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 211, 192) }
```

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

```
.background{ background-color: rgb(39, 211,  
192) }
```

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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