

Converting Colors

$Y_{xy}(57.5387, 0.2298, 0.3455)$

Have a look what the booklet for
Yxy(57.5387, 0.2298, 0.3455)
contains.

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Color

Yxy(57.5430, 0.2298, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	0ADFD3
RGB	10, 223, 211
RGB Percent	4%, 87%, 83%
CMY	0.9606, 0.1255, 0.1724
CMYK	0.95, 0.00, 0.05, 0.13
HSL	177°, 91%, 46%
HSV	177°, 95%, 87%
XYZ	38.2732, 57.5430, 70.7338
YIQ	157.9450, -123.0960, -48.8880

Conversions

Conversions Part 2

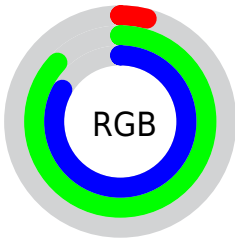
Format	Color
RYB	10, 120, 223
Decimal	712659
CIELab	80.48, -46.66, -6.86
CIELCh	80, 47.159, 188.368
Yxy	57.5430, 0.2298, 0.3455
Android (android.graphics.Color)	4278902739 (0xFF0ADFD3)
YUV	157.9450, 26.1561, -129.7478
Hunter-Lab	75.8571, -42.6890, -2.1856

Details

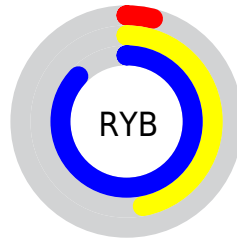
The Yxy color **57.5430, 0.2298, 0.3455** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.9644, 0.6278, 0.3266**, and the grayscale version is **34.0956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **30.0718, 0.2298, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **57.4520, 0.2295, 0.3463**, and if you desaturate by 10%, it is **57.8562, 0.2311, 0.3436**.

Distribution



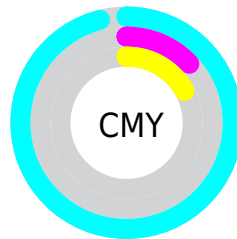
- Red (4%)
- Green (87%)
- Blue (83%)



- Red (4%)
- Yellow (47%)
- Blue (87%)



- Cyan (95%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (96%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5430, 0.2298, 0.3455 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 57.5430, 0.2298, 0.3455 by changing the saturation by 10% instead.

 57.5430, 0.2298,
0.3455

 57.5430, 0.2298,
0.3455


415.4809, 0.2689,
0.3385


 41.4414, 0.2208,
0.3469


 101.2571, 0.2435,
0.3432


 28.6641, 0.2096,
0.3485

 129.6383, 0.2487,
0.3423

 18.8269, 0.1954,
0.3504


 162.8815, 0.2533,
0.3414

 11.5452, 0.1769,
0.3524

 201.3710, 0.2572,
0.3407

 6.4348, 0.1520,
0.3543

 245.4914, 0.2607,
0.3401

 3.1112, 0.1174,
0.3551

295.6268, 0.2637,

 1.1901, 0.0000,

0.3395

0.3763

352.1619, 0.2664,
0.3390

■ 0.0536, 0.0000,
0.0906

■ 0.0000, 0.0000,
0.0000

■ 57.5430, 0.2298,
0.3455

■ 57.5430, 0.2298,
0.3455

■ 57.4520, 0.2295,
0.3463

■ 57.8562, 0.2311,
0.3436

■ 58.4095, 0.2342,
0.3418

■ 59.2470, 0.2391,
0.3399

■ 60.4028, 0.2460,
0.3380

61.9060, 0.2548,
0.3362

63.7826, 0.2653,
0.3344

66.0562, 0.2772,
0.3327

68.7483, 0.2905,
0.3312

71.8789, 0.3046,
0.3297

Harmonies

Analogous

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



57.5430, 0.2763, 0.4061



57.5430, 0.2298, 0.3455



57.5430, 0.2060, 0.2866

Triad

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



57.5430, 0.2298, 0.3455



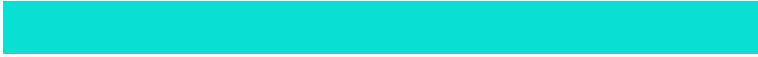
57.5430, 0.2806, 0.2407



57.5430, 0.4282, 0.3985

Complementary

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



57.5430, 0.2298, 0.3455



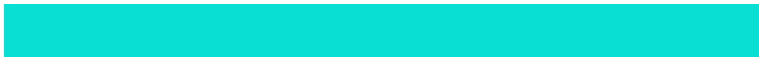
15.9644, 0.6278, 0.3266

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.



57.5430, 0.4326, 0.3526



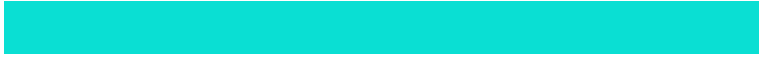
57.5430, 0.2298, 0.3455



57.5430, 0.3423, 0.2666

Square

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



57.5430, 0.2298, 0.3455



57.5430, 0.2330, 0.2334



57.5430, 0.4002, 0.3061



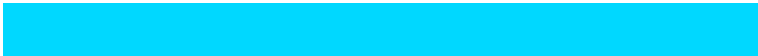
57.5430, 0.3915, 0.4329

Rectangle

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



57.5430, 0.2298, 0.3455



57.5430, 0.2041, 0.2582



57.5430, 0.4002, 0.3061



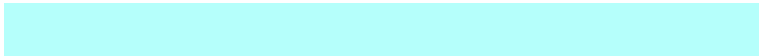
57.5430, 0.4338, 0.3838

Sweetspot

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



57.5452, 0.2298, 0.3455



88.3048, 0.2726, 0.3334



52.9951, 0.3017, 0.5960



18.6220, 0.2675, 0.3341



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.



57.5452, 0.2298, 0.3455



77.8506, 0.2296, 0.3465



21.5509, 0.1857, 0.1859



15.5583, 0.2989, 0.3303



33.7863, 0.2295, 0.3461



2.3460, 0.2287, 0.3432

Inverse Universe

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



15.9644, 0.6278, 0.3266



21.2926, 0.6360, 0.3277



25.2778, 0.5523, 0.3958



13.7130, 0.3283, 0.3277



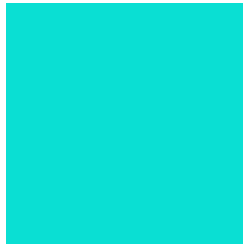
9.2460, 0.6338, 0.3265



0.6453, 0.6161, 0.3168

Previews

White Background



This preview shows how the Yxy color 57.5430, 0.2298, 0.3455 looks on a white background.

Color Contrast Check

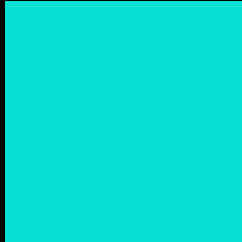
Large Text (above 18pt) WCAG AA × Fail

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 57.5430, 0.2298, 0.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

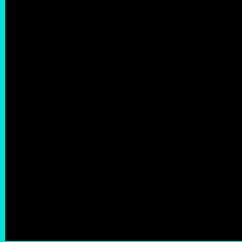
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5430, 0.2298, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 57.5430, 0.2298, 0.3455.

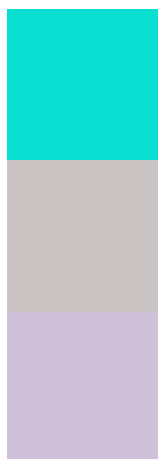


This preview shows how white text looks on a background with the Yxy color 57.5430, 0.2298, 0.3455.

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

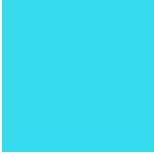
57.5430, 0.2298, 0.3455

Protanopia

56.4746, 0.3174, 0.3302

Deuteranopia

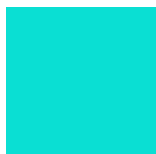
56.6118, 0.3062, 0.3002



Tritanopia

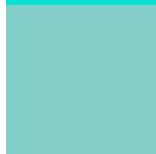
57.4813, 0.2228, 0.3050

Trichromacy



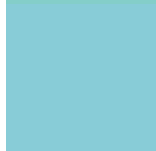
Original Color

57.5430, 0.2298, 0.3455



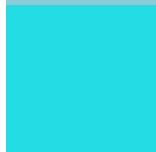
Protanomaly

53.2652, 0.2654, 0.3356



Deuteranomaly

53.3263, 0.2595, 0.3144



Tritanomaly

57.1629, 0.2243, 0.3179

Monochromacy



Original Color

57.5430, 0.2298, 0.3455



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.5733, 0.2583, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5430, 0.2298, 0.3455 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(10, 223, 211)` looks like.

```
.text, #text, p{  
    color:rgb(10, 223, 211)  
}
```

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(10, 223, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 223, 211) }
```

Border

The CSS property to change the border of an element to Yxy 57.5430, 0.2298, 0.3455 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(10, 223, 211) }
```

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

```
.border{ border-color:rgb(10, 223, 211) }
```

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

Here you see how a box with a 4 pixel rgb(10, 223, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 223, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 223, 211);  
box-shadow:4px 4px 4px 4px rgb(10, 223,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5430, 0.2298, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 223, 211) }
```

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

```
.background{ background-color: rgb(10, 223,  
211) }
```

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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