

Converting Colors

$Yxy(56.8003, 0.2379, 0.3507)$

Have a look what the booklet for
Yxy(56.8003, 0.2379, 0.3507)
contains.

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Color

Yxy(57.0505, 0.2381, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	3BDDCD
RGB	59, 221, 205
RGB Percent	23%, 87%, 80%
CMY	0.7685, 0.1333, 0.1962
CMYK	0.73, 0.00, 0.07, 0.13
HSL	174°, 70%, 55%
HSV	174°, 73%, 87%
XYZ	38.6780, 57.0505, 66.7159
YIQ	170.7380, -91.4160, -39.3200

Conversions

Conversions Part 2

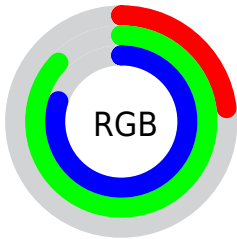
Format	Color
RYB	59, 144, 221
Decimal	3923405
CIELab	80.21, -44.17, -4.00
CIElCh	80, 44.350, 185.169
Yxy	57.0505, 0.2381, 0.3512
Android (android.graphics.Color)	4282113485 (0xFF3BDDCD)
YUV	170.7380, 16.8912, -97.9942
Hunter-Lab	75.5318, -40.7750, 0.5024

Details

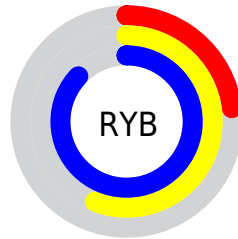
The Yxy color **57.0505, 0.2381, 0.3512** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.0123, 0.5417, 0.3154**, and the grayscale version is **40.5386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **29.1446, 0.2320, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **56.4091, 0.2349, 0.3546**, and if you desaturate by 10%, it is **57.9834, 0.2432, 0.3478**.

Distribution



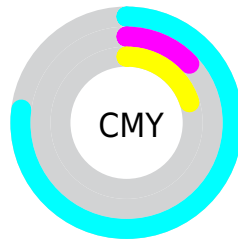
- Red (23%)
- Green (87%)
- Blue (80%)



- Red (23%)
- Yellow (56%)
- Blue (87%)



- Cyan (73%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)





- Cyan (77%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0505, 0.2381, 0.3512 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 57.0505, 0.2381, 0.3512 by changing the saturation by 10% instead.

 57.0505, 0.2381,
0.3512


 57.0505, 0.2381,
0.3512


413.6385, 0.2735,
0.3411


 41.0458, 0.2298,
0.3535

 100.5389, 0.2506,
0.3477

 28.3549, 0.2195,
0.3562


 128.7913, 0.2554,
0.3464

 18.5933, 0.2064,
0.3596


 161.8951, 0.2595,
0.3452

 11.3768, 0.1890,
0.3638

 200.2347, 0.2630,
0.3441

 6.3209, 0.1654,
0.3691

244.1944, 0.2662,
0.3432

 3.0412, 0.1316,
0.3757

294.1587, 0.2689,

 1.1533, 0.0000,

0.3424

0.4160

350.5119, 0.2714,
0.3417

■ 0.0230, 0.0000,
0.0703

■ 0.0000, 0.0000,
0.0000

■ 57.0505, 0.2381,
0.3512

■ 57.0505, 0.2381,
0.3512

■ 56.4091, 0.2349,
0.3546

■ 57.9834, 0.2432,
0.3478


■ 56.0139, 0.2336,
0.3580


■ 59.2333, 0.2502,
0.3444


■ 55.8452, 0.2334,
0.3603


■ 60.8303, 0.2590,
0.3412


■ 62.7991, 0.2695,
0.3380

 65.1623, 0.2814,
0.3351

 67.9406, 0.2943,
0.3323

 71.1534, 0.3081,
0.3298

 74.8185, 0.3223,
0.3275

 78.3929, 0.3347,
0.3254

Harmonies

Analogous

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



57.0505, 0.2843, 0.4063



57.0505, 0.2381, 0.3512



57.0505, 0.2127, 0.2945

Triad

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



57.0505, 0.2381, 0.3512



57.0505, 0.2769, 0.2435



57.0505, 0.4240, 0.3910

Complementary

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



57.0505, 0.2381, 0.3512



19.0123, 0.5417, 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.



57.0505, 0.4242, 0.3470



57.0505, 0.2381, 0.3512



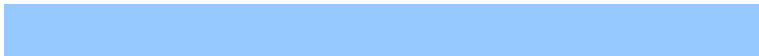
57.0505, 0.3344, 0.2664

Square

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



57.0505, 0.2381, 0.3512



57.0505, 0.2335, 0.2387



57.0505, 0.3902, 0.3031



57.0505, 0.3923, 0.4249

Rectangle

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



57.0505, 0.2381, 0.3512



57.0505, 0.2092, 0.2659



57.0505, 0.3902, 0.3031



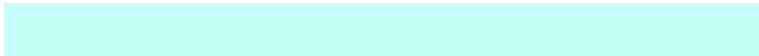
57.0505, 0.4280, 0.3769

Sweetspot

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



57.0527, 0.2381, 0.3512



90.5161, 0.2827, 0.3347



53.5363, 0.3079, 0.5576



19.1673, 0.2794, 0.3355



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.



57.0527, 0.2381, 0.3512



77.6767, 0.2340, 0.3565



30.0000, 0.2067, 0.2315



14.8062, 0.2995, 0.3313



32.4493, 0.2333, 0.3597



2.1088, 0.2317, 0.3542

Inverse Universe

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



19.0123, 0.5417, 0.3154



22.4744, 0.6027, 0.3198



30.0587, 0.4986, 0.3965



13.0723, 0.3276, 0.3267



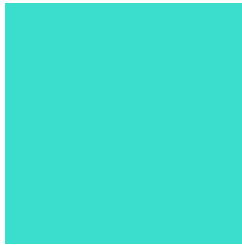
8.9709, 0.6280, 0.3233



0.5885, 0.5977, 0.3066

Previews

White Background



This preview shows how the Yxy color 57.0505, 0.2381, 0.3512 looks on a white background.

Color Contrast Check

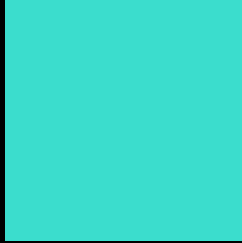
Large Text (above 18pt) WCAG AA × Fail

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 57.0505, 0.2381, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

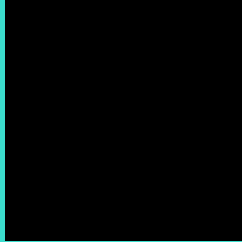
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

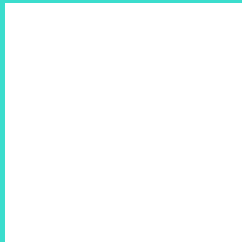
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.0505, 0.2381, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 57.0505, 0.2381, 0.3512.

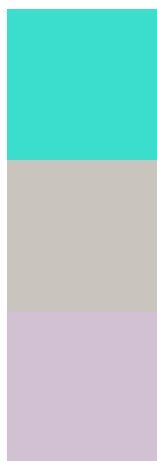


This preview shows how white text looks on a background with the Yxy color 57.0505, 0.2381, 0.3512.

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

57.0505, 0.2381, 0.3512

Protanopia

55.7980, 0.3213, 0.3350

Deuteranopia

56.1041, 0.3129, 0.3070



Tritanopia

57.1440, 0.2291, 0.3064

Trichromacy



Original Color

57.0505, 0.2381, 0.3512



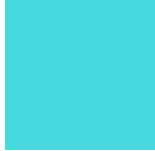
Protanomaly

54.1322, 0.2794, 0.3408



Deuteranomaly

54.2839, 0.2744, 0.3212



Tritanomaly

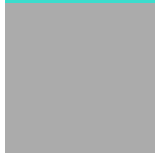
56.7726, 0.2321, 0.3220

Monochromacy



Original Color

57.0505, 0.2381, 0.3512



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.5599, 0.2723, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0505, 0.2381, 0.3512 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(59, 221, 205)` looks like.

```
.text, #text, p{  
    color:rgb(59, 221, 205)  
}
```

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(59, 221, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 221, 205) }
```

Border

The CSS property to change the border of an element to Yxy 57.0505, 0.2381, 0.3512 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(59, 221, 205) }
```

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

```
.border{ border-color:rgb(59, 221, 205) }
```

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

Here you see how a box with a 4 pixel rgb(59, 221, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 221, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 221, 205);  
box-shadow:4px 4px 4px 4px rgb(59, 221,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0505, 0.2381, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 221, 205) }
```

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

```
.background{ background-color: rgb(59, 221,  
205) }
```

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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