

Converting Colors

$Y_{xy}(57.9797, 0.2336, 0.3548)$

Have a look what the booklet for
Yxy(57.9797, 0.2336, 0.3548)
contains.

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Color

Yxy(57.9872, 0.2334, 0.3541)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 1AE0CE |
| RGB | 26, 224, 206 |
| RGB Percent | 10%, 88%, 81% |
| CMY | 0.8975, 0.1216, 0.1923 |
| CMYK | 0.88, 0.00, 0.08, 0.12 |
| HSL | 175°, 79%, 49% |
| HSV | 175°, 88%, 88% |
| XYZ | 38.2214, 57.9872, 67.5507 |
| YIQ | 162.7460, -112.2300, -47.5740 |

Conversions

Conversions Part 2

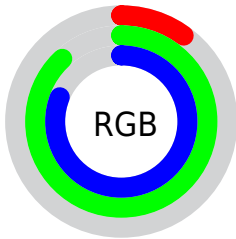
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 26, 130, 224 |
| Decimal | 1761486 |
| CIE Lab | 80.73, -47.89, -3.80 |
| CIE LCh | 81, 48.041, 184.535 |
| Yxy | 57.9872, 0.2334, 0.3541 |
| Android (android.graphics.Color) | 4279951566 (0xFF1AE0CE) |
| YUV | 162.7460, 21.3242, -119.9262 |
| Hunter-Lab | 76.1493, -43.6673, 0.7094 |

Details

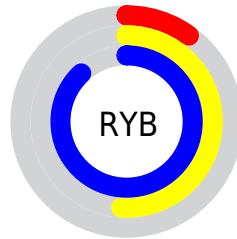
The Yxy color **57.9872, 0.2334, 0.3541** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.7760, 0.6034, 0.3206**, and the grayscale version is **36.4570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **30.2723, 0.2329, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **57.6935, 0.2327, 0.3572**, and if you desaturate by 10%, it is **58.5094, 0.2357, 0.3510**.

Distribution



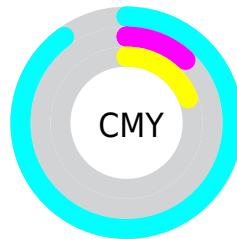
- Red (10%)
- Green (88%)
- Blue (81%)



- Red (10%)
- Yellow (51%)
- Blue (88%)



- Cyan (88%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)



- Cyan (90%)
- Magenta (12%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9872, 0.2334, 0.3541 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 57.9872, 0.2334, 0.3541 by changing the saturation by 10% instead.

 57.9872, 0.2334,
0.3541

 57.9872, 0.2334,
0.3541


417.1382, 0.2709,
0.3426

 41.7984, 0.2247,
0.3566

 101.9042, 0.2466,
0.3502


 28.9434, 0.2139,
0.3597


 130.4012, 0.2516,
0.3486


 19.0380, 0.2001,
0.3636


 163.7697, 0.2560,
0.3473

 11.6978, 0.1821,
0.3683

 202.3940, 0.2598,
0.3461

 6.5382, 0.1576,
0.3744

 246.6586, 0.2631,
0.3451

 3.1750, 0.1231,
0.3818

296.9480, 0.2660,

 1.2238, 0.0000,

0.3442

0.4200

353.6464, 0.2686,
0.3434

■ 0.0810, 0.0000,
0.1863

■ 0.0000, 0.0000,
0.0000

■ 57.9872, 0.2334,
0.3541

■ 57.9872, 0.2334,
0.3541

■ 57.6935, 0.2327,
0.3572

■ 58.5094, 0.2357,
0.3510


■ 57.6530, 0.2327,
0.3577


■ 59.3063, 0.2398,
0.3478


■ 60.4164, 0.2459,
0.3447


■ 61.8705, 0.2539,
0.3417

 63.6956, 0.2637,
0.3387

 65.9162, 0.2749,
0.3359

 68.5545, 0.2874,
0.3333

 71.6313, 0.3009,
0.3309

 75.1657, 0.3151,
0.3286

Harmonies

Analogous

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



57.9872, 0.2830, 0.4139



57.9872, 0.2334, 0.3541



57.9872, 0.2061, 0.2925

Triad

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



57.9872, 0.2334, 0.3541



57.9872, 0.2729, 0.2374



57.9872, 0.4326, 0.3937

Complementary

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



57.9872, 0.2334, 0.3541



16.7760, 0.6034, 0.3206

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.



57.9872, 0.4324, 0.3466



57.9872, 0.2334, 0.3541



57.9872, 0.3344, 0.2615

Square

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



57.9872, 0.2334, 0.3541



57.9872, 0.2272, 0.2326



57.9872, 0.3951, 0.3000



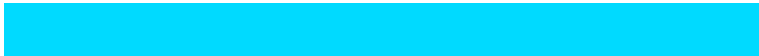
57.9872, 0.3987, 0.4312

Rectangle

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



57.9872, 0.2334, 0.3541



57.9872, 0.2021, 0.2617



57.9872, 0.3951, 0.3000



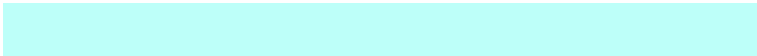
57.9872, 0.4368, 0.3785

Sweetspot

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



57.9894, 0.2334, 0.3541



89.1374, 0.2775, 0.3353



53.9675, 0.3045, 0.5875



18.8344, 0.2733, 0.3363



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.



57.9894, 0.2334, 0.3541



77.3325, 0.2328, 0.3579



25.8109, 0.1934, 0.2081



15.5497, 0.2994, 0.3311



33.5661, 0.2326, 0.3572



2.3330, 0.2312, 0.3524

Inverse Universe

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



16.7760, 0.6034, 0.3206



21.3228, 0.6322, 0.3257



26.0844, 0.5438, 0.3939



13.7207, 0.3278, 0.3269



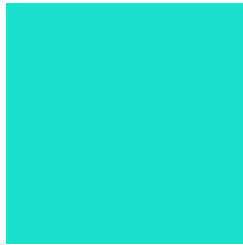
9.2618, 0.6294, 0.3241



0.6491, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 57.9872, 0.2334, 0.3541 looks on a white background.

Color Contrast Check

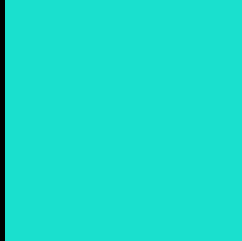
Large Text (above 18pt) WCAG AA × Fail

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 57.9872, 0.2334, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

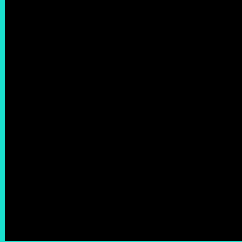
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

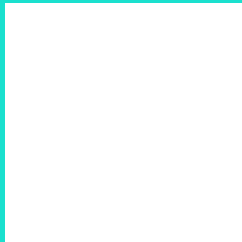
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.9872, 0.2334, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 57.9872, 0.2334, 0.3541.

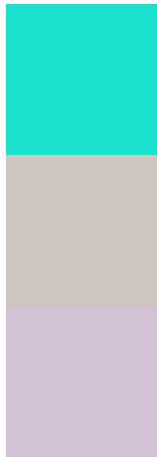


This preview shows how white text looks on a background with the Yxy color 57.9872, 0.2334, 0.3541.

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

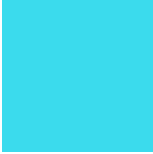
57.9872, 0.2334, 0.3541

Protanopia

56.9871, 0.3227, 0.3374

Deuteranopia

56.7929, 0.3122, 0.3060



Tritanopia

57.7073, 0.2243, 0.3051

Trichromacy



Original Color

57.9872, 0.2334, 0.3541



Protanomaly

54.1001, 0.2727, 0.3436



Deuteranomaly

53.7682, 0.2670, 0.3210



Tritanomaly

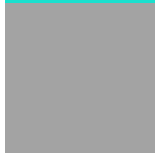
57.8082, 0.2270, 0.3220

Monochromacy



Original Color

57.9872, 0.2334, 0.3541



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.4633, 0.2632, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9872, 0.2334, 0.3541 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(26, 224, 206)` looks like.

```
.text, #text, p{  
    color:rgb(26, 224, 206)  
}
```

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(26, 224, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 224, 206) }
```

Border

The CSS property to change the border of an element to Yxy 57.9872, 0.2334, 0.3541 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(26, 224, 206) }
```

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

```
.border{ border-color:rgb(26, 224, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 224, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 224, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 224, 206);  
box-shadow:4px 4px 4px 4px rgb(26, 224,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9872, 0.2334, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 224, 206) }
```

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

```
.background{ background-color: rgb(26, 224,  
206) }
```

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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