

Converting Colors

$Y_{xy}(57.8769, 0.2336, 0.3562)$

Have a look what the booklet for
Yxy(57.8769, 0.2336, 0.3562)
contains.

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Color

Yxy(57.8897, 0.2334, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	16E0CD
RGB	22, 224, 205
RGB Percent	9%, 88%, 80%
CMY	0.9140, 0.1216, 0.1960
CMYK	0.90, 0.00, 0.08, 0.12
HSL	174°, 82%, 48%
HSV	174°, 90%, 88%
XYZ	38.0069, 57.8897, 66.9436
YIQ	161.4360, -114.2930, -48.7330

Conversions

Conversions Part 2

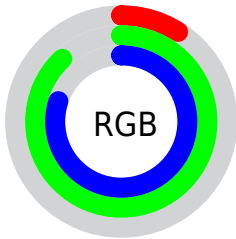
Format	Color
RYB	22, 128, 224
Decimal	1499341
CIELab	80.68, -48.35, -3.38
CIElCh	81, 48.466, 183.998
Yxy	57.8897, 0.2334, 0.3555
Android (android.graphics.Color)	4279689421 (0xFF16E0CD)
YUV	161.4360, 21.4771, -122.2854
Hunter-Lab	76.0853, -43.9831, 1.0934

Details

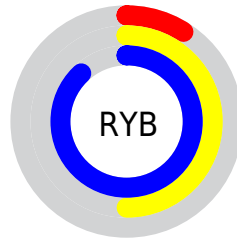
The Yxy color **57.8897, 0.2334, 0.3555** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5788, 0.6086, 0.3211**, and the grayscale version is **35.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **30.2396, 0.2334, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **57.6231, 0.2330, 0.3586**, and if you desaturate by 10%, it is **58.3673, 0.2353, 0.3523**.

Distribution



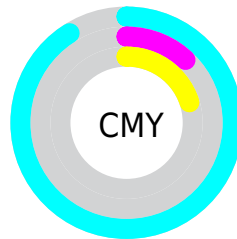
- Red (9%)
- Green (88%)
- Blue (80%)



- Red (9%)
- Yellow (50%)
- Blue (88%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)




- Cyan (91%)
- Magenta (12%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8897, 0.2334, 0.3555 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 57.8897, 0.2334, 0.3555 by changing the saturation by 10% instead.


 57.8897, 0.2334,
0.3555


 57.8897, 0.2334,
0.3555


416.7748, 0.2710,
0.3433


 41.7200, 0.2247,
0.3582

 101.7622, 0.2466,
0.3513


 28.8821, 0.2138,
0.3616


 130.2338, 0.2517,
0.3497

 18.9916, 0.2000,
0.3657


 163.5748, 0.2560,
0.3483

 11.6642, 0.1819,
0.3709

 202.1696, 0.2598,
0.3470

 6.5155, 0.1573,
0.3776

 246.4026, 0.2631,
0.3459

 3.1610, 0.1227,
0.3860

296.6582, 0.2660,

 1.2163, 0.0000,

0.3450

0.4261

353.3208, 0.2686,
0.3441

■ 0.0750, 0.0000,
0.1909

■ 0.0000, 0.0000,
0.0000

■ 57.8897, 0.2334,
0.3555

■ 57.8897, 0.2334,
0.3555

■ 57.6231, 0.2330,
0.3586

■ 58.3673, 0.2353,
0.3523

■ 59.1121, 0.2391,
0.3490

■ 60.1638, 0.2448,
0.3458

■ 61.5542, 0.2524,
0.3427

■ 63.3108, 0.2618,
0.3396

■ 65.4585, 0.2728,
0.3367

■ 68.0200, 0.2851,
0.3339

■ 71.0163, 0.2984,
0.3314

■ 74.4668, 0.3124,
0.3290

Harmonies

Analogous

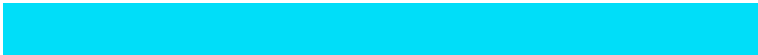
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.8897, 0.2837, 0.4157



57.8897, 0.2334, 0.3555



57.8897, 0.2055, 0.2931

Triad

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



57.8897, 0.2334, 0.3555



57.8897, 0.2715, 0.2364



57.8897, 0.4340, 0.3934

Complementary

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



57.8897, 0.2334, 0.3555



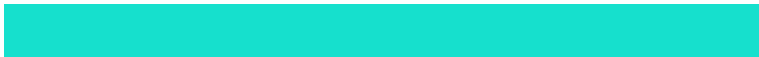
16.5788, 0.6086, 0.3211

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.



57.8897, 0.4332, 0.3458



57.8897, 0.2334, 0.3555



57.8897, 0.3334, 0.2603

Square

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



57.8897, 0.2334, 0.3555



57.8897, 0.2259, 0.2319



57.8897, 0.3950, 0.2989



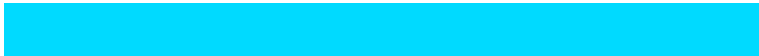
57.8897, 0.4003, 0.4316

Rectangle

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



57.8897, 0.2334, 0.3555



57.8897, 0.2012, 0.2617



57.8897, 0.3950, 0.2989



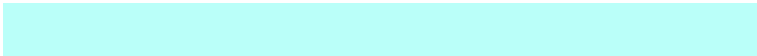
57.8897, 0.4380, 0.3779

Sweetspot

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



57.8919, 0.2334, 0.3555



88.7884, 0.2764, 0.3358



53.8660, 0.3040, 0.5899



18.7669, 0.2723, 0.3368



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.



57.8919, 0.2334, 0.3555



77.2924, 0.2330, 0.3588



25.2501, 0.1921, 0.2052



15.5490, 0.2994, 0.3312



33.5491, 0.2328, 0.3581



2.3320, 0.2314, 0.3532

Inverse Universe

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



16.5788, 0.6086, 0.3211



21.3257, 0.6319, 0.3255



25.5592, 0.5488, 0.3927



13.7213, 0.3277, 0.3268



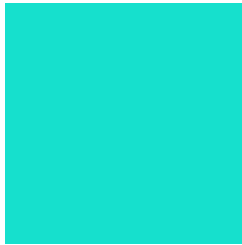
9.2633, 0.6289, 0.3238



0.6493, 0.6014, 0.3086

Previews

White Background



This preview shows how the Yxy color 57.8897, 0.2334, 0.3555 looks on a white background.

Color Contrast Check

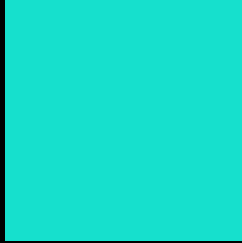
Large Text (above 18pt) WCAG AA × Fail

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 57.8897, 0.2334, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

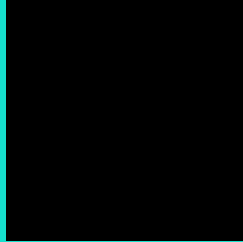
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8897, 0.2334, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 57.8897, 0.2334, 0.3555.

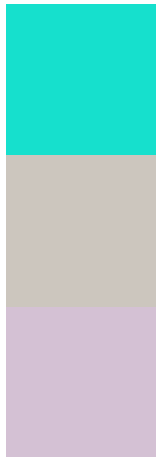


This preview shows how white text looks on a background with the Yxy color 57.8897, 0.2334, 0.3555.

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

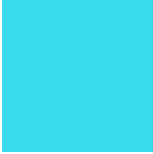
57.8897, 0.2334, 0.3555

Protanopia

56.9432, 0.3234, 0.3386

Deuteranopia

56.8904, 0.3137, 0.3072



Tritanopia

57.6770, 0.2241, 0.3051

Trichromacy



Original Color

57.8897, 0.2334, 0.3555



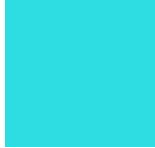
Protanomaly

53.9691, 0.2726, 0.3450



Deuteranomaly

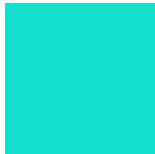
53.6288, 0.2670, 0.3223



Tritanomaly

57.7070, 0.2271, 0.3233

Monochromacy



Original Color

57.8897, 0.2334, 0.3555



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.7703, 0.2624, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8897, 0.2334, 0.3555 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(22, 224, 205)` looks like.

```
.text, #text, p{  
    color:rgb(22, 224, 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(22, 224, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 224, 205) }
```

Border

The CSS property to change the border of an element to Yxy 57.8897, 0.2334, 0.3555 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(22, 224, 205) }
```

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

```
.border{ border-color:rgb(22, 224, 205) }
```

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

Here you see how a box with a 4 pixel rgb(22, 224, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 224, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 224, 205);  
box-shadow:4px 4px 4px 4px rgb(22, 224,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8897, 0.2334, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 224, 205) }
```

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

```
.background{ background-color: rgb(22, 224,  
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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