

Converting Colors

$Y_{xy}(70.8823, 0.2336, 0.3564)$

Have a look what the booklet for
Yxy(70.8823, 0.2336, 0.3564)
contains.

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Color

Yxy(70.8808, 0.2334, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	17F5E0
RGB	23, 245, 224
RGB Percent	9%, 96%, 88%
CMY	0.9086, 0.0391, 0.1216
CMYK	0.90, 0.00, 0.09, 0.04
HSL	174°, 92%, 53%
HSV	174°, 90%, 96%
XYZ	46.4707, 70.8808, 81.7518
YIQ	176.2280, -125.5710, -53.5950

Conversions

Conversions Part 2

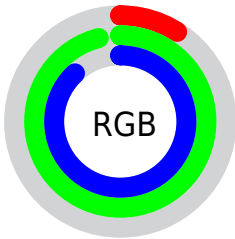
Format	Color
R _Y B	23, 140, 245
Decimal	1570272
CIE Lab	87.43, -51.91, -3.46
CIE LCh	87, 52.023, 183.809
Yxy	70.8808, 0.2334, 0.3560
Android (android.graphics.Color)	4279760352 (0xFF17F5E0)
YUV	176.2280, 23.5516, -134.3810
Hunter-Lab	84.1907, -48.8072, 1.3611

Details

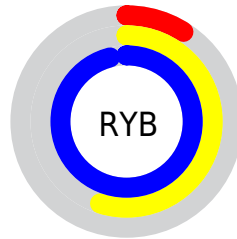
The Yxy color **70.8808, 0.2334, 0.3560** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.2248, 0.6105, 0.3213**, and the grayscale version is **43.5202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **38.8310, 0.2335, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **70.5787, 0.2331, 0.3591**, and if you desaturate by 10%, it is **71.4482, 0.2352, 0.3527**.

Distribution



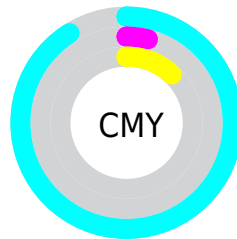
- Red (9%)
- Green (96%)
- Blue (88%)



- Red (9%)
- Yellow (55%)
- Blue (96%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)




- Cyan (91%)
- Magenta (4%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8808, 0.2334, 0.3560 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 70.8808, 0.2334, 0.3560 by changing the saturation by 10% instead.


 70.8808, 0.2334,
0.3560


 70.8808, 0.2334,
0.3560

 463.6366, 0.2696,
0.3440


 52.2449, 0.2253,
0.3586

 120.4640, 0.2458,
0.3520


 37.2003, 0.2154,
0.3617


 152.1801, 0.2507,
0.3504


 25.3626, 0.2030,
0.3655


 189.0250, 0.2549,
0.3490


 16.3474, 0.1871,
0.3703

 231.3833, 0.2586,
0.3477

 9.7703, 0.1662,
0.3763

 279.6391, 0.2619,
0.3466

 5.2470, 0.1377,
0.3838

 334.1771, 0.2647,

 2.3929, 0.0935,

0.3457

0.3947

395.3814, 0.2673,
0.3448

■ 0.8222, 0.0000,
0.4175

■ 0.0000, 0.0000,
0.0000

■ 70.8808, 0.2334,
0.3560

■ 70.8808, 0.2334,
0.3560


■ 70.5787, 0.2331,
0.3591


■ 71.4482, 0.2352,
0.3527


■ 72.3427, 0.2389,
0.3495

■ 73.6144, 0.2445,
0.3462


■ 75.3030, 0.2520,
0.3430

 77.4432, 0.2614,
0.3398

 80.0661, 0.2723,
0.3369

 83.1999, 0.2846,
0.3341

 86.8708, 0.2979,
0.3315

 91.1031, 0.3120,
0.3291

Harmonies

Analogous

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



70.8808, 0.2839, 0.4163



70.8808, 0.2334, 0.3560



70.8808, 0.2053, 0.2933

Triad

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



70.8808, 0.2334, 0.3560



70.8808, 0.2710, 0.2361



70.8808, 0.4345, 0.3932

Complementary

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



70.8808, 0.2334, 0.3560



20.2248, 0.6105, 0.3213

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.



70.8808, 0.4334, 0.3455



70.8808, 0.2334, 0.3560



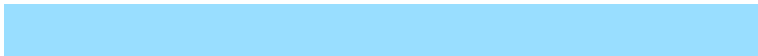
70.8808, 0.3331, 0.2599

Square

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



70.8808, 0.2334, 0.3560



70.8808, 0.2254, 0.2317



70.8808, 0.3949, 0.2986



70.8808, 0.4008, 0.4317

Rectangle

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



70.8808, 0.2334, 0.3560



70.8808, 0.2008, 0.2618



70.8808, 0.3949, 0.2986



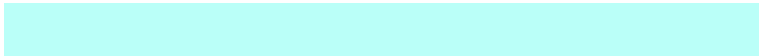
70.8808, 0.4385, 0.3777

Sweetspot

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



70.8835, 0.2334, 0.3560



88.7846, 0.2764, 0.3359



65.9477, 0.3038, 0.5907



18.7660, 0.2723, 0.3369



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.



70.8835, 0.2334, 0.3560



77.2797, 0.2331, 0.3591



30.6677, 0.1916, 0.2041



18.7291, 0.2993, 0.3312



38.0270, 0.2329, 0.3585



3.3499, 0.2318, 0.3545

Inverse Universe

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



20.2248, 0.6105, 0.3213



21.3267, 0.6318, 0.3254



31.0645, 0.5507, 0.3922



16.5080, 0.3279, 0.3268



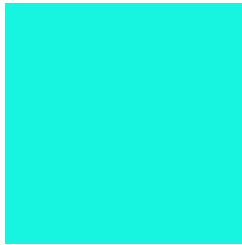
10.5004, 0.6294, 0.3241



0.9313, 0.6068, 0.3116

Previews

White Background



This preview shows how the Yxy color 70.8808, 0.2334, 0.3560 looks on a white background.

Color Contrast Check

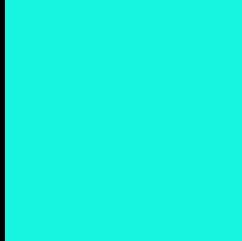
Large Text (above 18pt) WCAG AA × Fail

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 70.8808, 0.2334, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

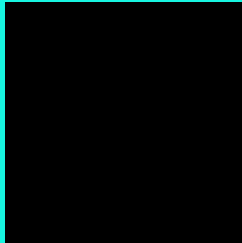
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8808, 0.2334, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 70.8808, 0.2334, 0.3560.

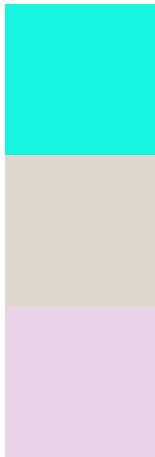


This preview shows how white text looks on a background with the Yxy color 70.8808, 0.2334, 0.3560.

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

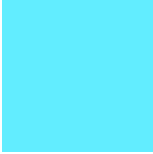
70.8688, 0.2334, 0.3560

Protanopia

69.3538, 0.3233, 0.3378

Deuteranopia

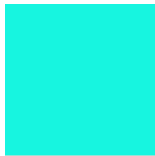
69.5705, 0.3138, 0.3068



Tritanopia

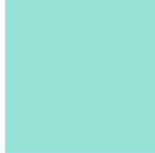
70.3850, 0.2329, 0.3072

Trichromacy



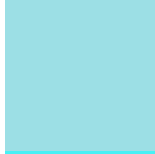
Original Color

70.8688, 0.2334, 0.3560



Protanomaly

66.2772, 0.2716, 0.3450



Deuteranomaly

65.5004, 0.2663, 0.3216



Tritanomaly

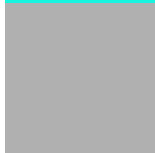
70.1914, 0.2311, 0.3238

Monochromacy



Original Color

70.8688, 0.2334, 0.3560



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.6166, 0.2622, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8808, 0.2334, 0.3560 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(23, 245, 224)` looks like.

```
.text, #text, p{  
    color:rgb(23, 245, 224)  
}
```

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(23, 245, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 245, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.8808, 0.2334, 0.3560 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(23, 245, 224) }
```

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

```
.border{ border-color:rgb(23, 245, 224) }
```

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

Here you see how a box with a 4 pixel rgb(23, 245, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 245, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 245, 224);  
box-shadow:4px 4px 4px 4px rgb(23, 245,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8808, 0.2334, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 245, 224) }
```

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

```
.background{ background-color: rgb(23, 245,  
224) }
```

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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