

Converting Colors

$Y_{xy}(68.8258, 0.2358, 0.3530)$

Have a look what the booklet for
Yxy(68.8258, 0.2358, 0.3530)
contains.

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Color

Yxy(68.8626, 0.2359, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	32F1DE
RGB	50, 241, 222
RGB Percent	20%, 95%, 87%
CMY	0.8042, 0.0549, 0.1294
CMYK	0.79, 0.00, 0.08, 0.05
HSL	174°, 87%, 57%
HSV	174°, 79%, 95%
XYZ	45.9539, 68.8626, 79.9858
YIQ	181.7250, -107.7370, -46.4010

Conversions

Conversions Part 2

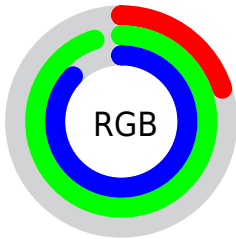
Format	Color
RYB	50, 150, 241
Decimal	3338718
CIELab	86.44, -49.10, -3.85
CIELCh	86, 49.253, 184.479
Yxy	68.8626, 0.2359, 0.3535
Android (android.graphics.Color)	4281528798 (0xFF32F1DE)
YUV	181.7250, 19.8556, -115.5228
Hunter-Lab	82.9835, -46.3730, 0.9402

Details

The Yxy color **68.8626, 0.2359, 0.3535** 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 **21.4060, 0.5692, 0.3166**, and the grayscale version is **46.5467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **37.0710, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **68.2787, 0.2339, 0.3569**, and if you desaturate by 10%, it is **69.7754, 0.2398, 0.3500**.

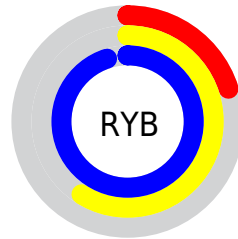
Distribution



Red (20%)

Green (95%)

Blue (87%)



Red (20%)

Yellow (59%)

Blue (95%)

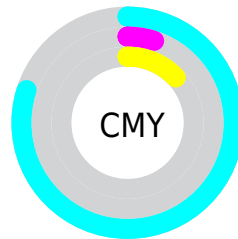


Cyan (79%)

Magenta (0%)

Yellow (8%)

Black (5%)



Cyan (80%)


Magenta (5%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8626, 0.2359, 0.3535 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 68.8626, 0.2359, 0.3535 by changing the saturation by 10% instead.

 68.8626, 0.2359,
0.3535


 68.8626, 0.2359,
0.3535


456.5462, 0.2712,
0.3426


 50.5998, 0.2280,
0.3558


 117.5853, 0.2481,
0.3498


 35.8902, 0.2182,
0.3587


 148.8140, 0.2528,
0.3484

 24.3494, 0.2060,
0.3621


 185.1335, 0.2569,
0.3471

 15.5930, 0.1903,
0.3664

 226.9281, 0.2605,
0.3460

 9.2366, 0.1695,
0.3718

274.5823, 0.2637,
0.3450

 4.8959, 0.1409,
0.3785

328.4805, 0.2664,

 2.1863, 0.0944,

0.3441

0.3888

389.0070, 0.2689,
0.3433

0.7125, 0.0000,
0.4050

0.0000, 0.0000,
0.0000

68.8626, 0.2359,
0.3535

68.8626, 0.2359,
0.3535

68.2787, 0.2339,
0.3569

69.7754, 0.2398,
0.3500


67.9467, 0.2335,
0.3603


71.0535, 0.2456,
0.3466


67.9266, 0.2335,
0.3606


72.7372, 0.2533,
0.3432


74.8591, 0.2629,
0.3400

 77.4488, 0.2739,
0.3369

 80.5332, 0.2863,
0.3340

 84.1371, 0.2997,
0.3313

 88.2836, 0.3137,
0.3288

 90.6799, 0.3203,
0.3265

Harmonies

Analogous

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



68.8626, 0.2842, 0.4110



68.8626, 0.2359, 0.3535



68.8626, 0.2092, 0.2940

Triad

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



68.8626, 0.2359, 0.3535



68.8626, 0.2740, 0.2399



68.8626, 0.4290, 0.3921

Complementary

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



68.8626, 0.2359, 0.3535



21.4060, 0.5692, 0.3166

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.



68.8626, 0.4285, 0.3463



68.8626, 0.2359, 0.3535



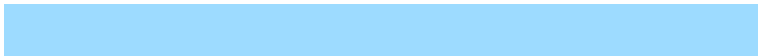
68.8626, 0.3337, 0.2633

Square

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



68.8626, 0.2359, 0.3535



68.8626, 0.2296, 0.2354



68.8626, 0.3924, 0.3009



68.8626, 0.3964, 0.4282

Rectangle

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



68.8626, 0.2359, 0.3535



68.8626, 0.2052, 0.2639



68.8626, 0.3924, 0.3009



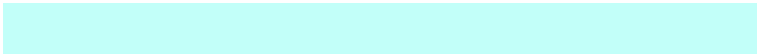
68.8626, 0.4329, 0.3773

Sweetspot

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



68.8652, 0.2359, 0.3535



89.7973, 0.2802, 0.3353



64.4105, 0.3065, 0.5724



18.9591, 0.2759, 0.3364



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.



68.8652, 0.2359, 0.3535



77.3688, 0.2335, 0.3590



33.7854, 0.2005, 0.2216



17.9003, 0.2994, 0.3313



36.8444, 0.2333, 0.3600



3.0729, 0.2321, 0.3555

Inverse Universe

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



21.4060, 0.5692, 0.3166



21.6740, 0.6216, 0.3230



33.9460, 0.5186, 0.3969



15.7844, 0.3278, 0.3267



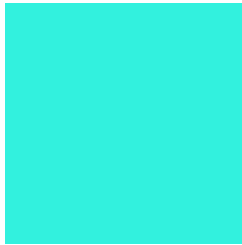
10.1855, 0.6285, 0.3236



0.8559, 0.6039, 0.3101

Previews

White Background



This preview shows how the Yxy color 68.8626, 0.2359, 0.3535 looks on a white background.

Color Contrast Check

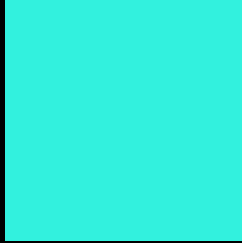
Large Text (above 18pt) WCAG AA × Fail

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 68.8626, 0.2359, 0.3535 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

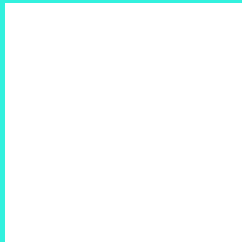
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8626, 0.2359, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 68.8626, 0.2359, 0.3535.

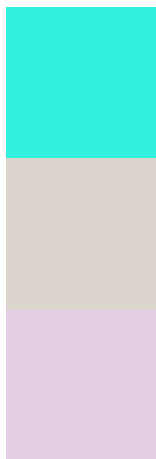


This preview shows how white text looks on a background with the Yxy color 68.8626, 0.2359, 0.3535.

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

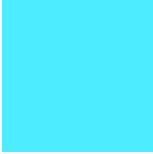
68.8626, 0.2359, 0.3535

Protanopia

67.2604, 0.3228, 0.3368

Deuteranopia

67.2629, 0.3130, 0.3065



Tritanopia

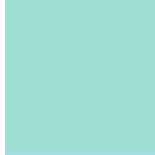
68.7887, 0.2271, 0.3056

Trichromacy



Original Color

68.8626, 0.2359, 0.3535



Protanomaly

64.7979, 0.2768, 0.3425



Deuteranomaly

64.4639, 0.2716, 0.3217



Tritanomaly

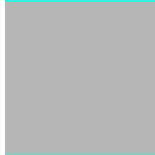
68.8134, 0.2300, 0.3225

Monochromacy



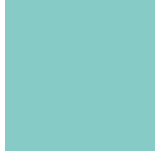
Original Color

68.8626, 0.2359, 0.3535



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.8114, 0.2684, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8626, 0.2359, 0.3535 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(50, 241, 222)` looks like.

```
.text, #text, p{  
    color:rgb(50, 241, 222)  
}
```

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(50, 241, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 241, 222) }
```

Border

The CSS property to change the border of an element to Yxy 68.8626, 0.2359, 0.3535 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(50, 241, 222) }
```

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

```
.border{ border-color:rgb(50, 241, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 241, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 241, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 241, 222);  
box-shadow:4px 4px 4px 4px rgb(50, 241,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8626, 0.2359, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 241, 222) }
```

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

```
.background{ background-color: rgb(50, 241,  
222) }
```

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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