

Converting Colors

$Yxy(68.2830, 0.2281, 0.3348)$

Have a look what the booklet for
Yxy(68.2830, 0.2281, 0.3348)
contains.

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Color

Yxy(68.0225, 0.2279, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	1FEFEB
RGB	31, 239, 235
RGB Percent	12%, 94%, 92%
CMY	0.8779, 0.0627, 0.0785
CMYK	0.87, 0.00, 0.02, 0.06
HSL	179°, 87%, 53%
HSV	179°, 87%, 94%
XYZ	46.4281, 68.0225, 89.2706
YIQ	176.3520, -122.6840, -45.3400

Conversions

Conversions Part 2

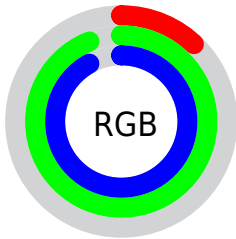
Format	Color
R_{YB}	31, 136, 239
Decimal	2093035
CIE _{Lab}	86.02, -45.95, -11.30
CIE _{LCh}	86, 47.322, 193.810
Yxy	68.0225, 0.2279, 0.3339
Android (android.graphics.Color)	4280283115 (0xFF1FEFEB)
YUV	176.3520, 28.9135, -127.4737
Hunter-Lab	82.4758, -43.8496, -6.4417

Details

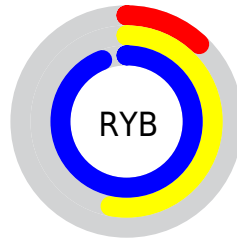
The Yxy color **68.0225, 0.2279, 0.3339** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **19.4604, 0.6138, 0.3282**, and the grayscale version is **43.5257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **36.7106, 0.2260, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **67.7517, 0.2266, 0.3345**, and if you desaturate by 10%, it is **68.5716, 0.2309, 0.3333**.

Distribution



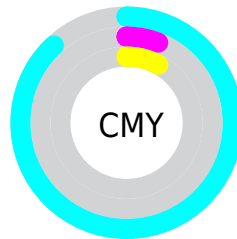
- Red (12%)
- Green (94%)
- Blue (92%)



- Red (12%)
- Yellow (53%)
- Blue (94%)



- Cyan (87%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)





- Cyan (88%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0225, 0.2279, 0.3339 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 68.0225, 0.2279, 0.3339 by changing the saturation by 10% instead.

 68.0225, 0.2279,
0.3339

 68.0225, 0.2279,
0.3339


453.5757, 0.2665,
0.3328

 49.9160, 0.2193,
0.3339

 116.3843, 0.2411,
0.3337

 35.3467, 0.2088,
0.3337


 147.4085, 0.2463,
0.3336

 23.9301, 0.1958,
0.3332


 183.5073, 0.2508,
0.3335

 15.2817, 0.1792,
0.3321

 225.0653, 0.2547,
0.3333

 9.0174, 0.1575,
0.3298

272.4667, 0.2582,
0.3332

 4.7525, 0.1284,
0.3250

326.0960, 0.2613,

 2.1028, 0.0845,

0.3331

386.3375, 0.2640,
0.3329

0.3153

0.6662, 0.0000,
0.2906

0.0000, 0.0000,
0.0000

68.0225, 0.2279,
0.3339

68.0225, 0.2279,
0.3339

67.7517, 0.2266,
0.3345

68.5716, 0.2309,
0.3333

67.6969, 0.2263,
0.3347

69.4447, 0.2357,
0.3327

70.6859, 0.2426,
0.3320

72.3307, 0.2513,
0.3314

■ 74.4105, 0.2618,
0.3308

■ 76.9535, 0.2740,
0.3303

■ 79.9854, 0.2875,
0.3298

■ 83.5303, 0.3021,
0.3293

■ 87.6104, 0.3174,
0.3289

Harmonies

Analogous

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



68.0225, 0.2690, 0.3926



68.0225, 0.2279, 0.3339



68.0225, 0.2093, 0.2806

Triad

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



68.0225, 0.2279, 0.3339



68.0225, 0.2924, 0.2479



68.0225, 0.4183, 0.4028

Complementary

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



68.0225, 0.2279, 0.3339



19.4604, 0.6138, 0.3282

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.



68.0225, 0.4285, 0.3602



68.0225, 0.2279, 0.3339



68.0225, 0.3518, 0.2755

Square

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



68.0225, 0.2279, 0.3339



68.0225, 0.2436, 0.2375



68.0225, 0.4036, 0.3152



68.0225, 0.3792, 0.4314

Rectangle

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



68.0225, 0.2279, 0.3339



68.0225, 0.2104, 0.2561



68.0225, 0.4036, 0.3152



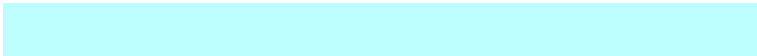
68.0225, 0.4254, 0.3894

Sweetspot

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



68.0250, 0.2279, 0.3339



89.4383, 0.2751, 0.3302



62.2470, 0.3017, 0.5883



18.9072, 0.2707, 0.3304



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.



68.0250, 0.2279, 0.3339



78.4270, 0.2263, 0.3347



25.8710, 0.1885, 0.1889



17.9234, 0.2984, 0.3294



37.4126, 0.2263, 0.3346



3.1140, 0.2261, 0.3338

Inverse Universe

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



19.4604, 0.6138, 0.3282



21.2708, 0.6387, 0.3292



33.9257, 0.5247, 0.4084



15.7638, 0.3290, 0.3286



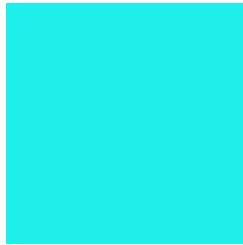
10.1488, 0.6380, 0.3288



0.8460, 0.6326, 0.3259

Previews

White Background



This preview shows how the Yxy color 68.0225, 0.2279, 0.3339 looks on a white background.

Color Contrast Check

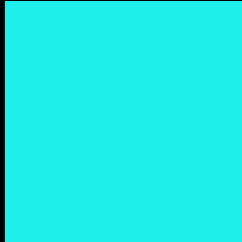
Large Text (above 18pt) WCAG AA × Fail

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 68.0225, 0.2279, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

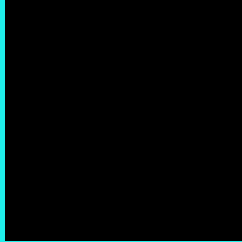
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0225, 0.2279, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 68.0225, 0.2279, 0.3339.

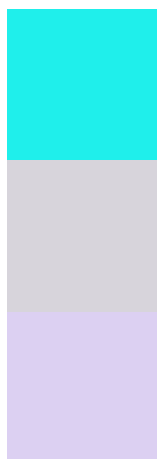


This preview shows how white text looks on a background with the Yxy color 68.0225, 0.2279, 0.3339.

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

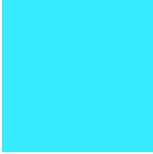
68.0225, 0.2279, 0.3339

Protanopia

66.6485, 0.3102, 0.3212

Deuteranopia

66.7382, 0.2985, 0.2925



Tritanopia

68.0517, 0.2229, 0.3054

Trichromacy



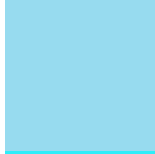
Original Color

68.0225, 0.2279, 0.3339



Protanomaly

63.9747, 0.2639, 0.3252



Deuteranomaly

63.4743, 0.2578, 0.3048



Tritanomaly

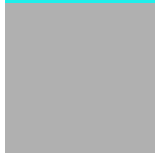
67.9500, 0.2244, 0.3150

Monochromacy



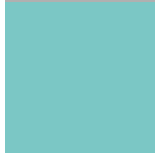
Original Color

68.0225, 0.2279, 0.3339



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.0890, 0.2612, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0225, 0.2279, 0.3339 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(31, 239, 235)` looks like.

```
.text, #text, p{  
    color:rgb(31, 239, 235)  
}
```

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(31, 239, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 239, 235) }
```

Border

The CSS property to change the border of an element to Yxy 68.0225, 0.2279, 0.3339 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(31, 239, 235) }
```

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

```
.border{ border-color:rgb(31, 239, 235) }
```

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

Here you see how a box with a 4 pixel rgb(31, 239, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 239, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 239, 235);  
box-shadow:4px 4px 4px 4px rgb(31, 239,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0225, 0.2279, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 239, 235) }
```

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

```
.background{ background-color: rgb(31, 239,  
235) }
```

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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