

Converting Colors

$Y_{xy}(67.9871, 0.2250, 0.3288)$

Have a look what the booklet for
Yxy(67.9871, 0.2250, 0.3288)
contains.

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Color

Yxy(68.0166, 0.2250, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	09EFEF
RGB	9, 239, 239
RGB Percent	4%, 94%, 94%
CMY	0.9644, 0.0628, 0.0627
CMYK	0.96, 0.00, 0.00, 0.06
HSL	180°, 93%, 49%
HSV	180°, 96%, 94%
XYZ	46.5584, 68.0166, 92.3511
YIQ	170.2300, -137.0800, -48.7600

Conversions

Conversions Part 2

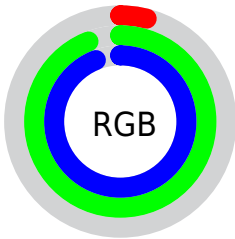
Format	Color
RYB	9, 124, 239
Decimal	651247
CIELab	86.01, -45.57, -13.43
CIELCh	86, 47.511, 196.420
Yxy	68.0166, 0.2250, 0.3287
Android (android.graphics.Color)	4278841327 (0xFF09EFEF)
YUV	170.2300, 33.9036, -141.3987
Hunter-Lab	82.4722, -43.5570, -8.6615

Details

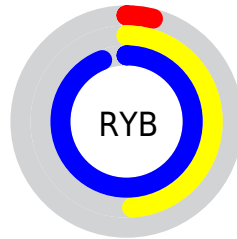
The Yxy color **68.0166, 0.2250, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.5721, 0.6352, 0.3300**, and the grayscale version is **40.2089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **36.8748, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **67.9598, 0.2246, 0.3287**, and if you desaturate by 10%, it is **68.2855, 0.2266, 0.3287**.

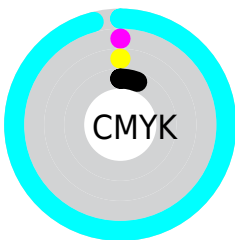
Distribution



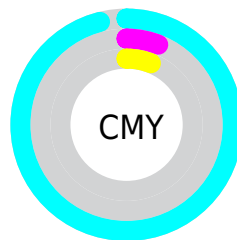
- Red (4%)
- Green (94%)
- Blue (94%)



- Red (4%)
- Yellow (49%)
- Blue (94%)



- Cyan (96%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)





- Cyan (96%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0166, 0.2250, 0.3287 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 68.0166, 0.2250, 0.3287 by changing the saturation by 10% instead.


 68.0166, 0.2250,
0.3287

 68.0166, 0.2250,
0.3287


453.5548, 0.2648,
0.3302


 49.9112, 0.2162,
0.3280


 116.3759, 0.2386,
0.3295

 35.3429, 0.2055,
0.3270


 147.3986, 0.2439,
0.3297


 23.9271, 0.1921,
0.3255


 183.4959, 0.2486,
0.3299

 15.2796, 0.1753,
0.3231

 225.0522, 0.2526,
0.3300

 9.0158, 0.1533,
0.3189

 272.4518, 0.2562,
0.3301

 4.7515, 0.1240,
0.3113

326.0792, 0.2594,

 2.1022, 0.0809,

0.3301

0.2972

386.3187, 0.2622,
0.3301

■ 0.6659, 0.0000,
0.2650

■ 0.0000, 0.0000,
0.0000

■ 68.0166, 0.2250,
0.3287

■ 68.0166, 0.2250,
0.3287

■ 67.9598, 0.2246,
0.3287

■ 68.2855, 0.2266,
0.3287

■ 68.8308, 0.2299,
0.3287

■ 69.7062, 0.2350,
0.3287

■ 70.9526, 0.2421,
0.3288

■ 72.6052, 0.2511,
0.3288

■ 74.6950, 0.2619,
0.3288

■ 77.2501, 0.2744,
0.3289

■ 80.2961, 0.2882,
0.3289

■ 83.8569, 0.3031,
0.3290

Harmonies

Analogous

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



68.0166, 0.2645, 0.3882



68.0166, 0.2250, 0.3287



68.0166, 0.2085, 0.2766

Triad

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



68.0166, 0.2250, 0.3287



68.0166, 0.2972, 0.2494



68.0166, 0.4163, 0.4063

Complementary

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



68.0166, 0.2250, 0.3287



18.5721, 0.6352, 0.3300

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.



68.0166, 0.4294, 0.3642



68.0166, 0.2250, 0.3287



68.0166, 0.3571, 0.2784

Square

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



68.0166, 0.2250, 0.3287



68.0166, 0.2469, 0.2373



68.0166, 0.4075, 0.3189



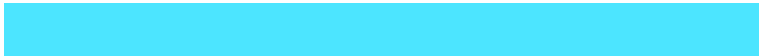
68.0166, 0.3751, 0.4331

Rectangle

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



68.0166, 0.2250, 0.3287



68.0166, 0.2109, 0.2534



68.0166, 0.4075, 0.3189



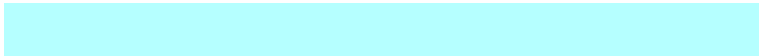
68.0166, 0.4244, 0.3932

Sweetspot

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



68.0191, 0.2250, 0.3287



88.5635, 0.2706, 0.3289



61.8239, 0.3001, 0.5978



18.6854, 0.2653, 0.3288



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.



68.0191, 0.2250, 0.3287



78.7181, 0.2246, 0.3287



20.7201, 0.1789, 0.1617



17.9286, 0.2981, 0.3290



37.5487, 0.2246, 0.3287



3.1238, 0.2246, 0.3287

Inverse Universe

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



24.7830, 0.3209, 0.1551



28.4778, 0.3210, 0.1542



32.8025, 0.5358, 0.4100



16.0314, 0.3138, 0.3057



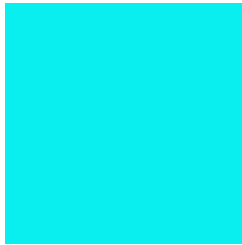
13.5839, 0.3210, 0.1542



1.1301, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 68.0166, 0.2250, 0.3287 looks on a white background.

Color Contrast Check

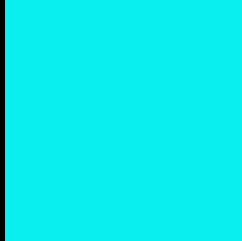
Large Text (above 18pt) WCAG AA × Fail

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 68.0166, 0.2250, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

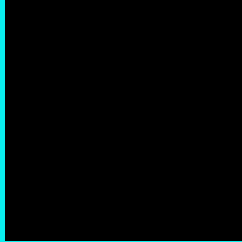
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0166, 0.2250, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 68.0166, 0.2250, 0.3287.

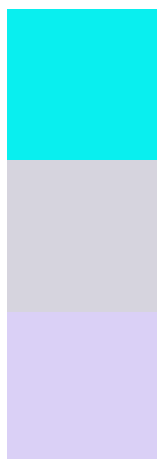


This preview shows how white text looks on a background with the Yxy color 68.0166, 0.2250, 0.3287.

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

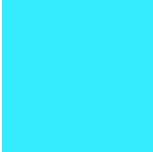
68.0231, 0.2250, 0.3287

Protanopia

66.6570, 0.3074, 0.3179

Deuteranopia

66.6710, 0.2945, 0.2883



Tritanopia

67.9678, 0.2224, 0.3053

Trichromacy



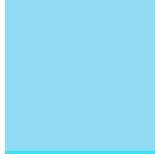
Original Color

68.0231, 0.2250, 0.3287



Protanomaly

63.3330, 0.2577, 0.3214



Deuteranomaly

62.8849, 0.2511, 0.2999



Tritanomaly

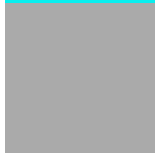
67.8012, 0.2228, 0.3137

Monochromacy



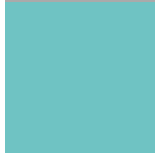
Original Color

68.0231, 0.2250, 0.3287



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.3499, 0.2548, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0166, 0.2250, 0.3287 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(9, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(9, 239, 239)  
}
```

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(9, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 239, 239) }
```

Border

The CSS property to change the border of an element to Yxy 68.0166, 0.2250, 0.3287 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(9, 239, 239) }
```

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

```
.border{ border-color:rgb(9, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(9, 239,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0166, 0.2250, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 239, 239) }
```

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

```
.background{ background-color: rgb(9, 239,  
239) }
```

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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