

Converting Colors

$Yxy(68.6383, 0.2228, 0.3221)$

Have a look what the booklet for
Yxy(68.6383, 0.2228, 0.3221)
contains.

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Color

Yxy(68.9127, 0.2229, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	00F0F5
RGB	0, 240, 245
RGB Percent	0%, 94%, 96%
CMY	0.9994, 0.0588, 0.0391
CMYK	1.00, 0.02, 0.00, 0.04
HSL	181°, 100%, 48%
HSV	181°, 100%, 96%
XYZ	47.6447, 68.9127, 97.1917
YIQ	168.8100, -144.6450, -49.3250

Conversions

Conversions Part 2

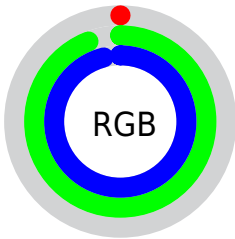
Format	Color
RYB	0, 121, 245
Decimal	61685
CIELab	86.46, -44.45, -15.91
CIELCh	86, 47.216, 199.695
Yxy	68.9127, 0.2229, 0.3224
Android (android.graphics.Color)	4278251765 (0xFF00F0F5)
YUV	168.8100, 37.5617, -148.0464
Hunter-Lab	83.0137, -42.8261, -11.3067

Details

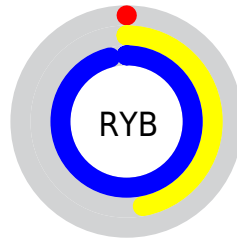
The Yxy color **68.9127, 0.2229, 0.3224** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.5290, 0.6389, 0.3308**, and the grayscale version is **39.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **37.5411, 0.2220, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **68.9122, 0.2229, 0.3224**, and if you desaturate by 10%, it is **69.4128, 0.2243, 0.3231**.

Distribution



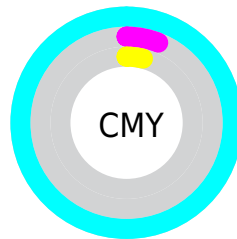
- Red (0%)
- Green (94%)
- Blue (96%)



- Red (0%)
- Yellow (47%)
- Blue (96%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9127, 0.2229, 0.3224 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 68.9127, 0.2229, 0.3224 by changing the saturation by 10% instead.


 68.9127, 0.2229,
0.3224

 68.9127, 0.2229,
0.3224

456.7230, 0.2634,
0.3269

 50.6406, 0.2140,
0.3210


 117.6569, 0.2367,
0.3243


 35.9227, 0.2032,
0.3191


 148.8978, 0.2421,
0.3249


 24.3745, 0.1898,
0.3165


 185.2304, 0.2469,
0.3254

 15.6116, 0.1729,
0.3126

 227.0391, 0.2510,
0.3258

 9.2498, 0.1510,
0.3064

 274.7083, 0.2546,
0.3262

 4.9045, 0.1222,
0.2961

328.6224, 0.2579,

 2.1913, 0.0820,

0.3265

0.2776

389.1659, 0.2608,
0.3267

■ 0.7153, 0.0000,
0.2437

■ 0.0000, 0.0000,
0.0000

■ 68.9127, 0.2229,
0.3224

■ 68.9127, 0.2229,
0.3224

■ 68.9122, 0.2229,
0.3224

■ 69.4128, 0.2243,
0.3231

■ 70.1645, 0.2271,
0.3237

■ 71.2480, 0.2317,
0.3244

■ 72.7101, 0.2383,
0.3251

■ 74.5902, 0.2469,
0.3258

■ 76.9229, 0.2572,
0.3265

■ 79.7389, 0.2693,
0.3272

■ 83.0665, 0.2828,
0.3278

■ 86.9316, 0.2974,
0.3284

Harmonies

Analogous

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



68.9127, 0.2598, 0.3815



68.9127, 0.2229, 0.3224



68.9127, 0.2091, 0.2728

Triad

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



68.9127, 0.2229, 0.3224



68.9127, 0.3037, 0.2526



68.9127, 0.4120, 0.4095

Complementary

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



68.9127, 0.2229, 0.3224



19.5290, 0.6389, 0.3308

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.



68.9127, 0.4285, 0.3688



68.9127, 0.2229, 0.3224



68.9127, 0.3629, 0.2828

Square

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



68.9127, 0.2229, 0.3224



68.9127, 0.2521, 0.2386



68.9127, 0.4105, 0.3239



68.9127, 0.3689, 0.4333

Rectangle

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



68.9127, 0.2229, 0.3224



68.9127, 0.2133, 0.2513



68.9127, 0.4105, 0.3239



68.9127, 0.4210, 0.3971

Sweetspot

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



68.9152, 0.2229, 0.3224



87.2676, 0.2691, 0.3272



65.3276, 0.2998, 0.5992



18.3864, 0.2639, 0.3269



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.



68.9152, 0.2229, 0.3224



75.4495, 0.2229, 0.3224



19.6723, 0.1749, 0.1494



18.6960, 0.2981, 0.3285



37.1442, 0.2229, 0.3225



3.2828, 0.2232, 0.3233

Inverse Universe

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



25.7110, 0.3262, 0.1571



28.1478, 0.3262, 0.1571



34.5108, 0.5382, 0.4108



16.7621, 0.3141, 0.3062



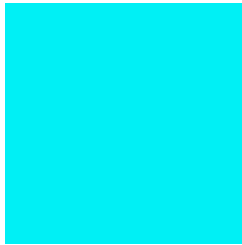
13.8491, 0.3261, 0.1570



1.2190, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 68.9127, 0.2229, 0.3224 looks on a white background.

Color Contrast Check

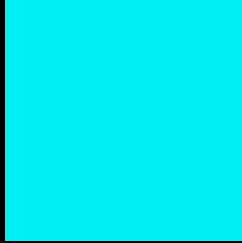
Large Text (above 18pt) WCAG AA × Fail

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 68.9127, 0.2229, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

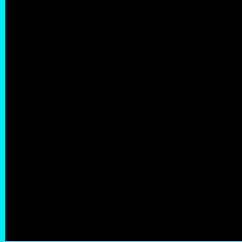
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9127, 0.2229, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 68.9127, 0.2229, 0.3224.

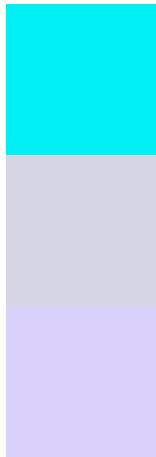


This preview shows how white text looks on a background with the Yxy color 68.9127, 0.2229, 0.3224.

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

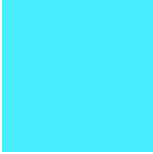
68.9127, 0.2229, 0.3224

Protanopia

67.4861, 0.3034, 0.3125

Deuteranopia

67.3809, 0.2901, 0.2833



Tritanopia

69.0536, 0.2256, 0.3068

Trichromacy



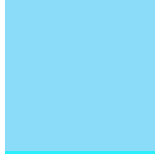
Original Color

68.9127, 0.2229, 0.3224



Protanomaly

63.9501, 0.2534, 0.3153



Deuteranomaly

63.4292, 0.2466, 0.2941



Tritanomaly

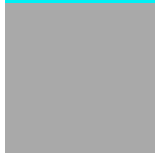
68.6496, 0.2232, 0.3126

Monochromacy



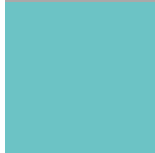
Original Color

68.9127, 0.2229, 0.3224



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.2496, 0.2521, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9127, 0.2229, 0.3224 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(0, 240, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 245)  
}
```

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(0, 240, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 245) }
```

Border

The CSS property to change the border of an element to Yxy 68.9127, 0.2229, 0.3224 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(0, 240, 245) }
```

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

```
.border{ border-color:rgb(0, 240, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9127, 0.2229, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 245) }
```

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

```
.background{ background-color: rgb(0, 240,  
245) }
```

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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