

Converting Colors

$Yxy(66.4692, 0.2090, 0.3171)$

Have a look what the booklet for
Yxy(66.4692, 0.2090, 0.3171)
contains.

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Color

Yxy(68.5103, 0.2215, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	00EFF8
RGB	0, 239, 248
RGB Percent	0%, 94%, 97%
CMY	1.0000, 0.0627, 0.0274
CMYK	1.00, 0.04, 0.00, 0.03
HSL	182°, 100%, 49%
HSV	182°, 100%, 97%
XYZ	47.8104, 68.5103, 99.5277
YIQ	168.5650, -145.3330, -47.8690

Conversions

Conversions Part 2

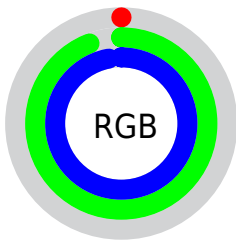
Format	Color
RYB	0, 122, 248
Decimal	61432
CIELab	86.26, -43.13, -17.79
CIELCh	86, 46.657, 202.411
Yxy	68.5103, 0.2215, 0.3174
Android (android.graphics.Color)	4278251512 (0xFF00EFF8)
YUV	168.5650, 39.1615, -147.8315
Hunter-Lab	82.7709, -41.7434, -13.3534

Details

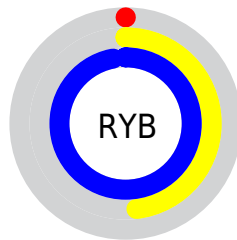
The Yxy color **68.5103, 0.2215, 0.3174** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.1563, 0.6382, 0.3314**, and the grayscale version is **39.3094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **37.2617, 0.2202, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **68.5137, 0.2215, 0.3174**, and if you desaturate by 10%, it is **69.2473, 0.2230, 0.3186**.

Distribution



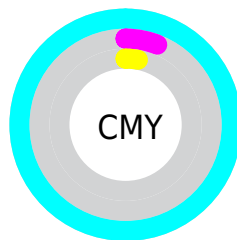
- Red (0%)
- Green (94%)
- Blue (97%)



- Red (0%)
- Yellow (48%)
- Blue (97%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5103, 0.2215, 0.3174 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 68.5103, 0.2215, 0.3174 by changing the saturation by 10% instead.


 68.5103, 0.2215,
0.3174

 68.5103, 0.2215,
0.3174


455.3019, 0.2626,
0.3243


 50.3130, 0.2125,
0.3155


 117.0819, 0.2355,
0.3201


 35.6622, 0.2015,
0.3129

 148.2249, 0.2410,
0.3211


 24.1734, 0.1880,
0.3093


 184.4520, 0.2458,
0.3219

 15.4623, 0.1710,
0.3043

 226.1475, 0.2500,
0.3225

 9.1445, 0.1490,
0.2966

 273.6959, 0.2537,
0.3231

 4.8355, 0.1201,
0.2841

327.4815, 0.2570,

 2.1511, 0.0803,

0.3236

0.2625

387.8887, 0.2599,
0.3240

■ 0.6931, 0.0000,
0.2232

■ 0.0000, 0.0000,
0.0000

■ 68.5103, 0.2215,
0.3174

■ 68.5103, 0.2215,
0.3174

■ 68.5137, 0.2215,
0.3174

■ 69.2473, 0.2230,
0.3186

■ 70.2433, 0.2260,
0.3198

■ 71.5819, 0.2308,
0.3210

■ 73.3117, 0.2376,
0.3223

■ 75.4732, 0.2463,
0.3235

■ 78.1020, 0.2569,
0.3247

■ 81.2298, 0.2691,
0.3259

■ 84.8859, 0.2826,
0.3270

■ 89.0968, 0.2973,
0.3280

Harmonies

Analogous

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



68.5103, 0.2562, 0.3759



68.5103, 0.2215, 0.3174



68.5103, 0.2100, 0.2699

Triad

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



68.5103, 0.2215, 0.3174



68.5103, 0.3090, 0.2554



68.5103, 0.4081, 0.4119

Complementary

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



68.5103, 0.2215, 0.3174



20.1563, 0.6382, 0.3314

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.



68.5103, 0.4272, 0.3726



68.5103, 0.2215, 0.3174



68.5103, 0.3675, 0.2866

Square

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



68.5103, 0.2215, 0.3174



68.5103, 0.2567, 0.2398



68.5103, 0.4125, 0.3280



68.5103, 0.3637, 0.4330

Rectangle

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



68.5103, 0.2215, 0.3174



68.5103, 0.2155, 0.2500



68.5103, 0.4125, 0.3280



68.5103, 0.4179, 0.4000

Sweetspot

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



68.5137, 0.2215, 0.3174



86.5022, 0.2690, 0.3259



67.1666, 0.2996, 0.5985



18.1998, 0.2637, 0.3254



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.



68.5137, 0.2215, 0.3174



72.9658, 0.2215, 0.3174



19.2105, 0.1733, 0.1437



19.4939, 0.2980, 0.3281



37.0508, 0.2216, 0.3176



3.4644, 0.2220, 0.3190

Inverse Universe

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



26.1927, 0.3304, 0.1594



27.8971, 0.3304, 0.1594



36.5387, 0.5334, 0.4146



17.5130, 0.3144, 0.3065



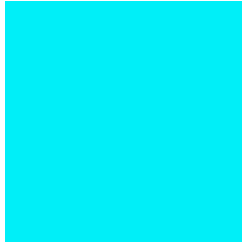
14.1512, 0.3302, 0.1593



1.3140, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 68.5103, 0.2215, 0.3174 looks on a white background.

Color Contrast Check

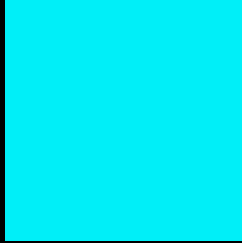
Large Text (above 18pt) WCAG AA × Fail

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 68.5103, 0.2215, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

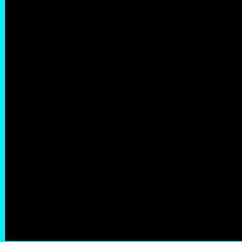
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5103, 0.2215, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 68.5103, 0.2215, 0.3174.

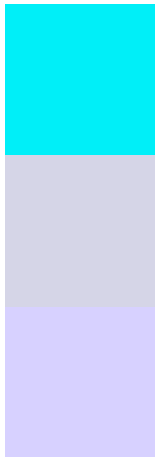


This preview shows how white text looks on a background with the Yxy color 68.5103, 0.2215, 0.3174.

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

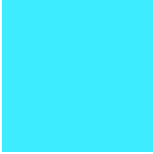
68.5103, 0.2215, 0.3174

Protanopia

67.5042, 0.3007, 0.3092

Deuteranopia

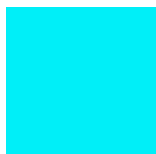
67.2680, 0.2869, 0.2802



Tritanopia

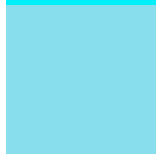
68.2350, 0.2239, 0.3054

Trichromacy



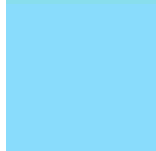
Original Color

68.5103, 0.2215, 0.3174



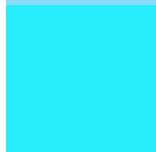
Protanomaly

63.5912, 0.2517, 0.3105



Deuteranomaly

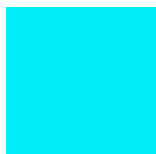
63.5330, 0.2447, 0.2907



Tritanomaly

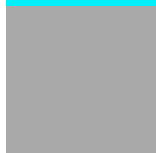
68.0280, 0.2220, 0.3101

Monochromacy



Original Color

68.5103, 0.2215, 0.3174



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.8489, 0.2513, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5103, 0.2215, 0.3174 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, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 248)  
}
```

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, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 248) }
```

Border

The CSS property to change the border of an element to Yxy 68.5103, 0.2215, 0.3174 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, 239, 248) }
```

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

```
.border{ border-color:rgb(0, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5103, 0.2215, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 248) }
```

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

```
.background{ background-color: rgb(0, 239,  
248) }
```

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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