

Converting Colors

$Y_{xy}(67.8008, 0.2194, 0.3098)$

Have a look what the booklet for
Yxy(67.8008, 0.2194, 0.3098)
contains.

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Color

Yxy(67.5966, 0.2194, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	00EDFC
RGB	0, 237, 252
RGB Percent	0%, 93%, 99%
CMY	1.0000, 0.0705, 0.0118
CMYK	1.00, 0.06, 0.00, 0.01
HSL	184°, 100%, 49%
HSV	184°, 100%, 99%
XYZ	47.8409, 67.5966, 102.6160
YIQ	167.8470, -146.0670, -45.5790

Conversions

Conversions Part 2

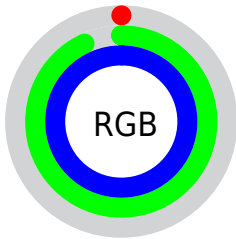
Format	Color
RYB	0, 122, 252
Decimal	60924
CIELab	85.80, -41.08, -20.56
CIELCh	86, 45.939, 206.590
Yxy	67.5966, 0.2194, 0.3100
Android (android.graphics.Color)	4278251004 (0xFF00EDFC)
YUV	167.8470, 41.4874, -147.2018
Hunter-Lab	82.2172, -40.0135, -16.4484

Details

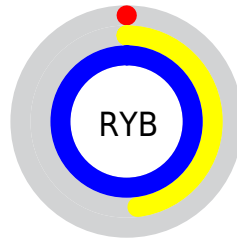
The Yxy color **67.5966, 0.2194, 0.3100** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.0355, 0.6370, 0.3324**, and the grayscale version is **38.9310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **36.5826, 0.2180, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **67.6077, 0.2195, 0.3100**, and if you desaturate by 10%, it is **68.6878, 0.2212, 0.3120**.

Distribution



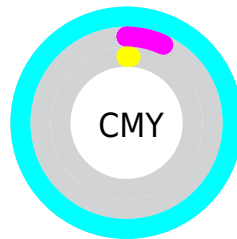
- Red (0%)
- Green (93%)
- Blue (99%)



- Red (0%)
- Yellow (48%)
- Blue (99%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5966, 0.2194, 0.3100 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 67.5966, 0.2194, 0.3100 by changing the saturation by 10% instead.


 67.5966, 0.2194,
0.3100


 67.5966, 0.2194,
0.3100


452.0654, 0.2614,
0.3205


 49.5696, 0.2102,
0.3072

 115.7749, 0.2337,
0.3139


 35.0716, 0.1990,
0.3036


 146.6949, 0.2393,
0.3154


 23.7180, 0.1853,
0.2988


 182.6815, 0.2442,
0.3166

 15.1246, 0.1680,
0.2921


 224.1189, 0.2485,
0.3176

 8.9069, 0.1457,
0.2822

 271.3917, 0.2523,
0.3185

 4.6805, 0.1167,
0.2667

324.8840, 0.2557,

 2.0610, 0.0772,

0.3192

0.2409

384.9805, 0.2587,
0.3199

■ 0.6426, 0.0000,
0.1936

■ 0.0000, 0.0000,
0.0000

■ 67.5966, 0.2194,
0.3100

■ 67.5966, 0.2194,
0.3100

■ 67.6077, 0.2195,
0.3100

■ 68.6878, 0.2212,
0.3120

■ 70.0451, 0.2244,
0.3140

■ 71.7623, 0.2295,
0.3160

■ 73.8900, 0.2366,
0.3181

■ 76.4705, 0.2456,
0.3201

■ 79.5406, 0.2564,
0.3221

■ 83.1336, 0.2688,
0.3240

■ 87.2795, 0.2825,
0.3258

■ 92.0064, 0.2973,
0.3274

Harmonies

Analogous

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



67.5966, 0.2508, 0.3675



67.5966, 0.2194, 0.3100



67.5966, 0.2113, 0.2656

Triad

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



67.5966, 0.2194, 0.3100



67.5966, 0.3172, 0.2596



67.5966, 0.4022, 0.4154

Complementary

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



67.5966, 0.2194, 0.3100



21.0355, 0.6370, 0.3324

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.



67.5966, 0.4253, 0.3782



67.5966, 0.2194, 0.3100



67.5966, 0.3743, 0.2923

Square

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



67.5966, 0.2194, 0.3100



67.5966, 0.2636, 0.2417



67.5966, 0.4154, 0.3342



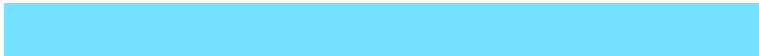
67.5966, 0.3559, 0.4325

Rectangle

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



67.5966, 0.2194, 0.3100



67.5966, 0.2189, 0.2480



67.5966, 0.4154, 0.3342



67.5966, 0.4131, 0.4045

Sweetspot

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



67.6077, 0.2195, 0.3100



85.3978, 0.2688, 0.3240



69.6457, 0.2994, 0.5978



17.9310, 0.2634, 0.3232



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.



67.6077, 0.2195, 0.3100



69.4495, 0.2195, 0.3100



18.9272, 0.1717, 0.1382



19.4214, 0.2980, 0.3275



35.2977, 0.2195, 0.3103



3.3213, 0.2202, 0.3127

Inverse Universe

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



26.8101, 0.3367, 0.1628



27.5421, 0.3367, 0.1629



39.0433, 0.5286, 0.4185



17.5057, 0.3147, 0.3070



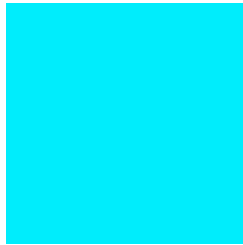
13.9742, 0.3364, 0.1627



1.2995, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 67.5966, 0.2194, 0.3100 looks on a white background.

Color Contrast Check

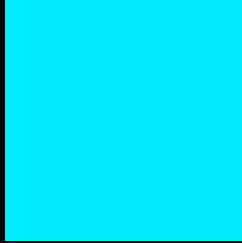
Large Text (above 18pt) WCAG AA × Fail

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 67.5966, 0.2194, 0.3100 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 67.5966, 0.2194, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 67.5966, 0.2194, 0.3100.

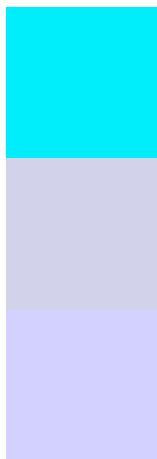


This preview shows how white text looks on a background with the Yxy color 67.5966, 0.2194, 0.3100.

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

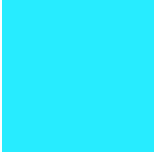
67.5966, 0.2194, 0.3100

Protanopia

66.2883, 0.2960, 0.3025

Deuteranopia

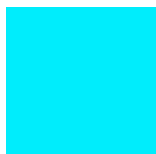
66.6698, 0.2842, 0.2798



Tritanopia

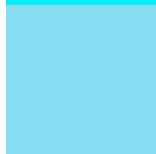
67.6422, 0.2206, 0.3052

Trichromacy



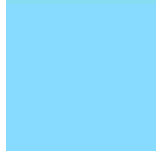
Original Color

67.5966, 0.2194, 0.3100



Protanomaly

62.6056, 0.2484, 0.3032



Deuteranomaly

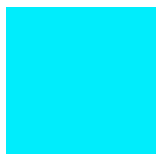
62.8871, 0.2422, 0.2871



Tritanomaly

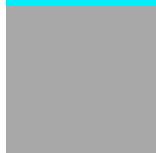
67.3533, 0.2196, 0.3063

Monochromacy



Original Color

67.5966, 0.2194, 0.3100



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.3892, 0.2500, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5966, 0.2194, 0.3100 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, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 252)  
}
```

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, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 252) }
```

Border

The CSS property to change the border of an element to Yxy 67.5966, 0.2194, 0.3100 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, 237, 252) }
```

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

```
.border{ border-color:rgb(0, 237, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5966, 0.2194, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 252) }
```

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

```
.background{ background-color: rgb(0, 237,  
252) }
```

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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