

Converting Colors

$Y_{xy}(64.9375, 0.2176, 0.3033)$

Have a look what the booklet for
Yxy(64.9375, 0.2176, 0.3033)
contains.

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Color

Yxy(64.7415, 0.2176, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	00E8FC
RGB	0, 232, 252
RGB Percent	0%, 91%, 99%
CMY	1.0000, 0.0901, 0.0117
CMYK	1.00, 0.08, 0.00, 0.01
HSL	185°, 100%, 49%
HSV	185°, 100%, 99%
XYZ	46.4176, 64.7415, 102.1572
YIQ	164.9120, -144.6920, -42.9640

Conversions

Conversions Part 2

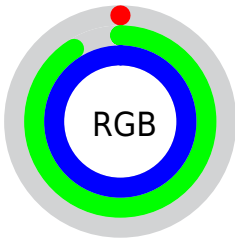
Format	Color
RYB	0, 121, 252
Decimal	59644
CIELab	84.35, -38.80, -22.78
CIELCh	84, 44.988, 210.416
Yxy	64.7415, 0.2176, 0.3035
Android (android.graphics.Color)	4278249724 (0xFF00E8FC)
YUV	164.9120, 42.9344, -144.6278
Hunter-Lab	80.4621, -37.8342, -18.9530

Details

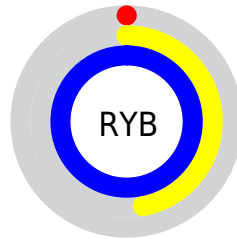
The Yxy color **64.7415, 0.2176, 0.3035** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.1987, 0.6356, 0.3335**, and the grayscale version is **37.4303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **34.9908, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **64.7513, 0.2176, 0.3035**, and if you desaturate by 10%, it is **66.0931, 0.2196, 0.3062**.

Distribution



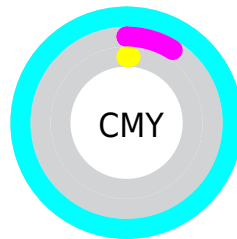
- Red (0%)
- Green (91%)
- Blue (99%)



- Red (0%)
- Yellow (47%)
- Blue (99%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7415, 0.2176, 0.3035 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 64.7415, 0.2176, 0.3035 by changing the saturation by 10% instead.

 64.7415, 0.2176,
0.3035


 64.7415, 0.2176,
0.3035


441.8625, 0.2606,
0.3171


 47.2515, 0.2081,
0.3000


 111.6781, 0.2323,
0.3086

 33.2345, 0.1966,
0.2955


 141.8936, 0.2381,
0.3104


 22.3062, 0.1824,
0.2894


 177.1196, 0.2431,
0.3120

 14.0820, 0.1646,
0.2811

 217.7406, 0.2475,
0.3133

 8.1777, 0.1416,
0.2690

 264.1410, 0.2513,
0.3145

 4.2089, 0.1117,
0.2505

316.7052, 0.2548,

 1.7911, 0.0693,

0.3155

0.2206

375.8175, 0.2579,
0.3163

■ 0.4816, 0.0000,
0.1544

■ 0.0000, 0.0000,
0.0000

■ 64.7415, 0.2176,
0.3035

■ 64.7415, 0.2176,
0.3035


■ 64.7513, 0.2176,
0.3035


■ 66.0931, 0.2196,
0.3062


■ 67.7176, 0.2231,
0.3089

■ 69.7078, 0.2285,
0.3116


■ 72.1142, 0.2358,
0.3144

 74.9791, 0.2450,
0.3171

 78.3395, 0.2560,
0.3198

 82.2285, 0.2686,
0.3223

 86.6763, 0.2825,
0.3247

 91.7109, 0.2973,
0.3269

Harmonies

Analogous

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



64.7415, 0.2460, 0.3599



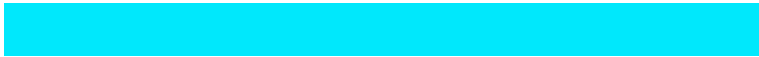
64.7415, 0.2176, 0.3035



64.7415, 0.2125, 0.2619

Triad

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



64.7415, 0.2176, 0.3035



64.7415, 0.3246, 0.2634



64.7415, 0.3969, 0.4185

Complementary

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



64.7415, 0.2176, 0.3035



21.1987, 0.6356, 0.3335

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.



64.7415, 0.4233, 0.3833



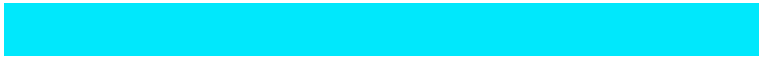
64.7415, 0.2176, 0.3035



64.7415, 0.3805, 0.2975

Square

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



64.7415, 0.2176, 0.3035



64.7415, 0.2700, 0.2435



64.7415, 0.4179, 0.3398



64.7415, 0.3489, 0.4317

Rectangle

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



64.7415, 0.2176, 0.3035



64.7415, 0.2221, 0.2462



64.7415, 0.4179, 0.3398



64.7415, 0.4087, 0.4084

Sweetspot

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



64.7513, 0.2176, 0.3035



84.4517, 0.2686, 0.3223



69.6705, 0.2991, 0.5969



17.7009, 0.2631, 0.3212



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.



64.7513, 0.2176, 0.3035



66.5011, 0.2176, 0.3035



18.0107, 0.1703, 0.1330



19.3589, 0.2980, 0.3271



33.8270, 0.2178, 0.3040



3.2008, 0.2187, 0.3072

Inverse Universe

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



26.5255, 0.3423, 0.1660



27.2445, 0.3424, 0.1660



40.2860, 0.5237, 0.4224



17.4994, 0.3150, 0.3075



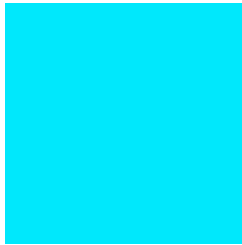
13.8258, 0.3419, 0.1657



1.2874, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 64.7415, 0.2176, 0.3035 looks on a white background.

Color Contrast Check

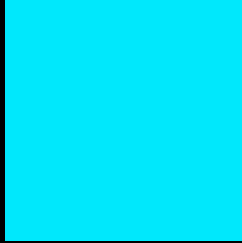
Large Text (above 18pt) WCAG AA × Fail

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 64.7415, 0.2176, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

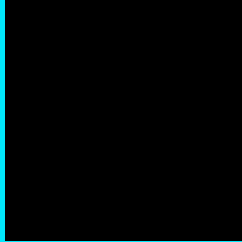
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7415, 0.2176, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 64.7415, 0.2176, 0.3035.

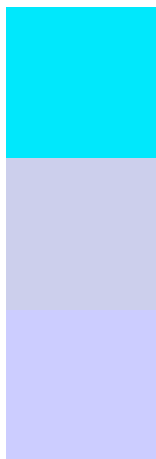


This preview shows how white text looks on a background with the Yxy color 64.7415, 0.2176, 0.3035.

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

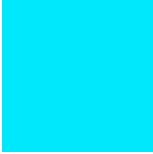
64.7415, 0.2176, 0.3035

Protanopia

63.5191, 0.2911, 0.2965

Deuteranopia

63.7200, 0.2792, 0.2747



Tritanopia

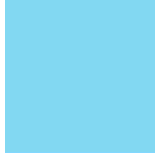
64.6783, 0.2180, 0.3047

Trichromacy



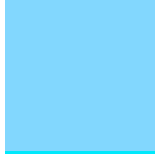
Original Color

64.7415, 0.2176, 0.3035



Protanomaly

60.2684, 0.2452, 0.2968



Deuteranomaly

60.5025, 0.2395, 0.2819



Tritanomaly

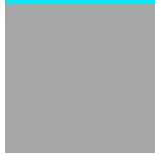
64.6783, 0.2180, 0.3047

Monochromacy



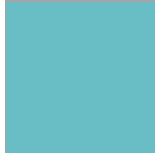
Original Color

64.7415, 0.2176, 0.3035



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

43.4297, 0.2490, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7415, 0.2176, 0.3035 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, 232, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 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, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 252) }
```

Border

The CSS property to change the border of an element to Yxy 64.7415, 0.2176, 0.3035 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, 232, 252) }
```

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

```
.border{ border-color:rgb(0, 232, 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, 232, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7415, 0.2176, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 252) }
```

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

```
.background{ background-color: rgb(0, 232,  
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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