

Converting Colors

$Y_{xy}(59.6361, 0.1760, 0.3089)$

Have a look what the booklet for
Yxy(59.6361, 0.1760, 0.3089)
contains.

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Color

Yxy(66.2562, 0.2197, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	00EBF9
RGB	0, 235, 249
RGB Percent	0%, 92%, 98%
CMY	1.0000, 0.0783, 0.0236
CMYK	1.00, 0.06, 0.00, 0.02
HSL	183°, 100%, 49%
HSV	183°, 100%, 98%
XYZ	46.7904, 66.2562, 99.9274
YIQ	166.3310, -144.5540, -45.4660

Conversions

Conversions Part 2

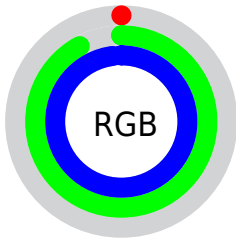
Format	Color
RYB	0, 121, 249
Decimal	60409
CIELab	85.13, -41.09, -20.00
CIELCh	85, 45.703, 205.955
Yxy	66.2562, 0.2197, 0.3111
Android (android.graphics.Color)	4278250489 (0xFF00EBF9)
YUV	166.3310, 40.7558, -145.8723
Hunter-Lab	81.3979, -39.8383, -15.8083

Details

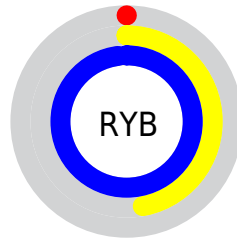
The Yxy color **66.2562, 0.2197, 0.3111** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.4490, 0.6372, 0.3323**, and the grayscale version is **38.1586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **36.0905, 0.2184, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **66.2680, 0.2198, 0.3111**, and if you desaturate by 10%, it is **67.2758, 0.2215, 0.3130**.

Distribution



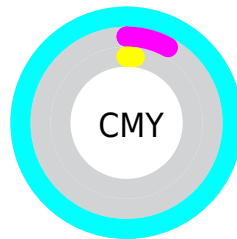
- Red (0%)
- Green (92%)
- Blue (98%)



- Red (0%)
- Yellow (47%)
- Blue (98%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2562, 0.2197, 0.3111 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 66.2562, 0.2197, 0.3111 by changing the saturation by 10% instead.


 66.2562, 0.2197,
0.3111

 66.2562, 0.2197,
0.3111


447.2926, 0.2617,
0.3211


 48.4804, 0.2104,
0.3084

 113.8540, 0.2340,
0.3149


 34.2075, 0.1992,
0.3050


 144.4447, 0.2397,
0.3163

 23.0530, 0.1853,
0.3003


 180.0760, 0.2446,
0.3174

 14.6327, 0.1678,
0.2937

 221.1320, 0.2489,
0.3184

 8.5620, 0.1453,
0.2839

 267.9973, 0.2527,
0.3192

 4.4566, 0.1157,
0.2684

321.0562, 0.2560,

 1.9321, 0.0739,

0.3199

0.2427

380.6932, 0.2590,
0.3205

■ 0.5676, 0.0000,
0.1884

■ 0.0000, 0.0000,
0.0000

■ 66.2562, 0.2197,
0.3111

■ 66.2562, 0.2197,
0.3111

■ 66.2680, 0.2198,
0.3111

■ 67.2758, 0.2215,
0.3130

■ 68.5521, 0.2247,
0.3148

■ 70.1778, 0.2298,
0.3168

■ 72.2017, 0.2368,
0.3187

■ 74.6650, 0.2457,
0.3206

■ 77.6034, 0.2565,
0.3225

■ 81.0493, 0.2689,
0.3242

■ 85.0318, 0.2826,
0.3259

■ 89.5780, 0.2973,
0.3275

Harmonies

Analogous

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



66.2562, 0.2516, 0.3687



66.2562, 0.2197, 0.3111



66.2562, 0.2110, 0.2662

Triad

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



66.2562, 0.2197, 0.3111



66.2562, 0.3160, 0.2589



66.2562, 0.4031, 0.4149

Complementary

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



66.2562, 0.2197, 0.3111



20.4490, 0.6372, 0.3323

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.



66.2562, 0.4256, 0.3773



66.2562, 0.2197, 0.3111



66.2562, 0.3733, 0.2914

Square

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



66.2562, 0.2197, 0.3111



66.2562, 0.2625, 0.2414



66.2562, 0.4150, 0.3332



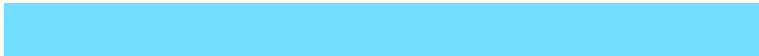
66.2562, 0.3571, 0.4326

Rectangle

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



66.2562, 0.2197, 0.3111



66.2562, 0.2184, 0.2482



66.2562, 0.4150, 0.3332



66.2562, 0.4139, 0.4038

Sweetspot

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



66.2680, 0.2198, 0.3111



85.5586, 0.2688, 0.3242



67.7665, 0.2994, 0.5978



17.9701, 0.2634, 0.3235



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.



66.2680, 0.2198, 0.3111



69.9563, 0.2198, 0.3111



18.4357, 0.1718, 0.1383



19.4320, 0.2980, 0.3276



35.5505, 0.2198, 0.3114



3.3420, 0.2205, 0.3136

Inverse Universe

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



26.1355, 0.3358, 0.1623



27.5933, 0.3358, 0.1623



38.0100, 0.5285, 0.4185



17.5068, 0.3147, 0.3069



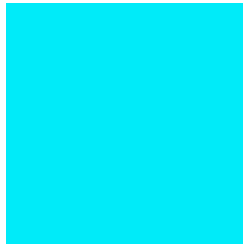
13.9997, 0.3355, 0.1622



1.3016, 0.3336, 0.1611

Previews

White Background



This preview shows how the Yxy color 66.2562, 0.2197, 0.3111 looks on a white background.

Color Contrast Check

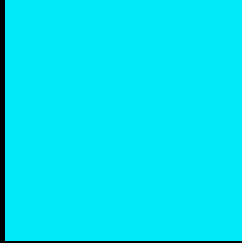
Large Text (above 18pt) WCAG AA × Fail

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 66.2562, 0.2197, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

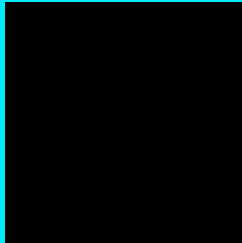
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2562, 0.2197, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 66.2562, 0.2197, 0.3111.

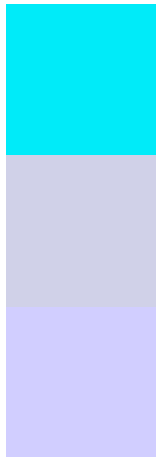


This preview shows how white text looks on a background with the Yxy color 66.2562, 0.2197, 0.3111.

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

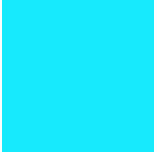
66.2562, 0.2197, 0.3111

Protanopia

64.8370, 0.2965, 0.3034

Deuteranopia

64.9179, 0.2827, 0.2763



Tritanopia

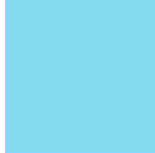
66.1317, 0.2192, 0.3050

Trichromacy



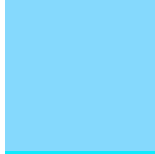
Original Color

66.2562, 0.2197, 0.3111



Protanomaly

61.2214, 0.2485, 0.3041



Deuteranomaly

61.7041, 0.2417, 0.2857



Tritanomaly

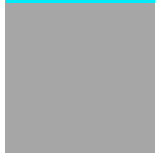
65.9755, 0.2190, 0.3061

Monochromacy



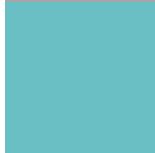
Original Color

66.2562, 0.2197, 0.3111



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.3113, 0.2506, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2562, 0.2197, 0.3111 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, 235, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 249)  
}
```

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, 235, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 249) }
```

Border

The CSS property to change the border of an element to Yxy 66.2562, 0.2197, 0.3111 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, 235, 249) }
```

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

```
.border{ border-color:rgb(0, 235, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2562, 0.2197, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 249) }
```

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

```
.background{ background-color: rgb(0, 235,  
249) }
```

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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