

Converting Colors

$Yxy(64.8874, 0.2187, 0.3073)$

Have a look what the booklet for
Yxy(64.8874, 0.2187, 0.3073)
contains.

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Color

Yxy(65.1174, 0.2190, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	00E9F9
RGB	0, 233, 249
RGB Percent	0%, 91%, 98%
CMY	1.0000, 0.0862, 0.0236
CMYK	1.00, 0.06, 0.00, 0.02
HSL	184°, 100%, 49%
HSV	184°, 100%, 98%
XYZ	46.2260, 65.1174, 99.7341
YIQ	165.1570, -144.0040, -44.4200

Conversions

Conversions Part 2

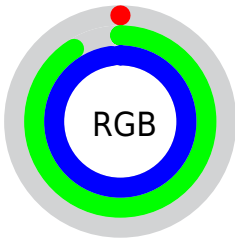
Format	Color
RYB	0, 120, 249
Decimal	59897
CIELab	84.54, -40.18, -20.88
CIELCh	85, 45.278, 207.464
Yxy	65.1174, 0.2190, 0.3085
Android (android.graphics.Color)	4278249977 (0xFF00E9F9)
YUV	165.1570, 41.3346, -144.8427
Hunter-Lab	80.6954, -38.9640, -16.7918

Details

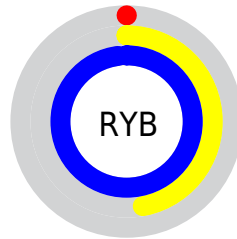
The Yxy color **65.1174, 0.2190, 0.3085** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.5047, 0.6367, 0.3327**, and the grayscale version is **37.5592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **35.2945, 0.2174, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **65.1253, 0.2190, 0.3085**, and if you desaturate by 10%, it is **66.2385, 0.2208, 0.3106**.

Distribution



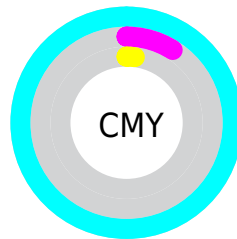
- Red (0%)
- Green (91%)
- Blue (98%)



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



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





- Cyan (100%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1174, 0.2190, 0.3085 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 65.1174, 0.2190, 0.3085 by changing the saturation by 10% instead.


 65.1174, 0.2190,
0.3085


 65.1174, 0.2190,
0.3085


443.2137, 0.2614,
0.3197

 47.5563, 0.2096,
0.3055


 112.2186, 0.2335,
0.3127


 33.4756, 0.1983,
0.3017


 142.5275, 0.2392,
0.3143


 22.4911, 0.1842,
0.2965


 177.8545, 0.2441,
0.3156

 14.2182, 0.1665,
0.2892

 218.5839, 0.2485,
0.3167

 8.2726, 0.1436,
0.2786

 265.1001, 0.2523,
0.3176

 4.2698, 0.1137,
0.2618

317.7875, 0.2557,

 1.8256, 0.0706,

0.3184

0.2344

377.0306, 0.2587,
0.3191

■ 0.5031, 0.0000,
0.1716

■ 0.0000, 0.0000,
0.0000

■ 65.1174, 0.2190,
0.3085

■ 65.1174, 0.2190,
0.3085

■ 65.1253, 0.2190,
0.3085

■ 66.2385, 0.2208,
0.3106

■ 67.6220, 0.2241,
0.3128

■ 69.3568, 0.2293,
0.3150

■ 71.4918, 0.2364,
0.3172

■ 74.0680, 0.2455,
0.3194

■ 77.1213, 0.2564,
0.3215

■ 80.6839, 0.2688,
0.3236

■ 84.7851, 0.2825,
0.3255

■ 89.4520, 0.2973,
0.3273

Harmonies

Analogous

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



65.1174, 0.2497, 0.3657



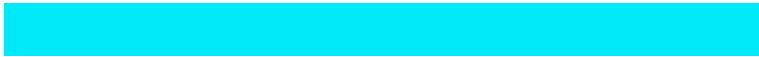
65.1174, 0.2190, 0.3085



65.1174, 0.2116, 0.2647

Triad

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



65.1174, 0.2190, 0.3085



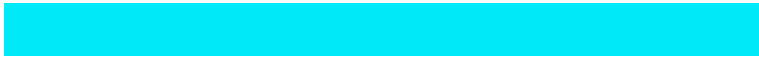
65.1174, 0.3189, 0.2604



65.1174, 0.4010, 0.4161

Complementary

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



65.1174, 0.2190, 0.3085



20.5047, 0.6367, 0.3327

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.



65.1174, 0.4248, 0.3793



65.1174, 0.2190, 0.3085



65.1174, 0.3757, 0.2935

Square

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



65.1174, 0.2190, 0.3085



65.1174, 0.2651, 0.2422



65.1174, 0.4160, 0.3355



65.1174, 0.3543, 0.4323

Rectangle

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



65.1174, 0.2190, 0.3085



65.1174, 0.2197, 0.2476



65.1174, 0.4160, 0.3355



65.1174, 0.4121, 0.4054

Sweetspot

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



65.1253, 0.2190, 0.3085



85.1754, 0.2687, 0.3236



67.7641, 0.2994, 0.5978



17.8769, 0.2633, 0.3227



0.0000, 0.0000, 0.0000



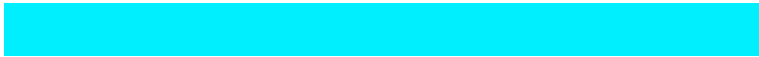
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1253, 0.2190, 0.3085



68.7510, 0.2190, 0.3085



18.4350, 0.1718, 0.1383



19.4068, 0.2980, 0.3274



34.9493, 0.2191, 0.3089



3.2928, 0.2198, 0.3114

Inverse Universe

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



26.0194, 0.3380, 0.1636



27.4716, 0.3380, 0.1636



38.0086, 0.5285, 0.4185



17.5042, 0.3148, 0.3071



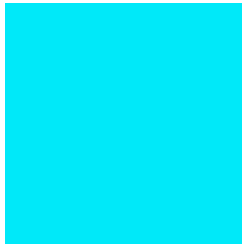
13.9391, 0.3377, 0.1634



1.2966, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 65.1174, 0.2190, 0.3085 looks on a white background.

Color Contrast Check

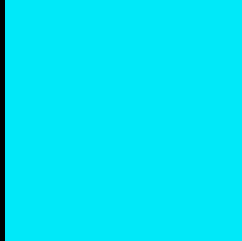
Large Text (above 18pt) WCAG AA × Fail

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 65.1174, 0.2190, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

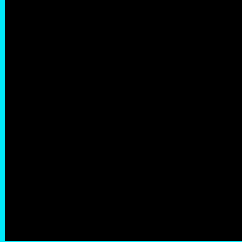
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1174, 0.2190, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 65.1174, 0.2190, 0.3085.

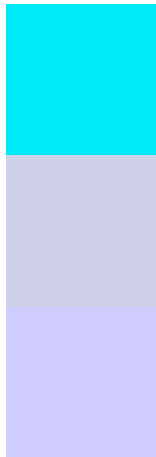


This preview shows how white text looks on a background with the Yxy color 65.1174, 0.2190, 0.3085.

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

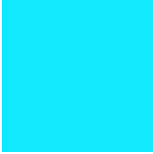
65.1174, 0.2190, 0.3085

Protanopia

64.0598, 0.2951, 0.3021

Deuteranopia

64.1480, 0.2812, 0.2750



Tritanopia

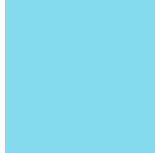
65.4445, 0.2188, 0.3049

Trichromacy



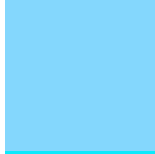
Original Color

65.1174, 0.2190, 0.3085



Protanomaly

60.6240, 0.2478, 0.3028



Deuteranomaly

60.5983, 0.2408, 0.2831



Tritanomaly

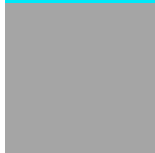
65.3210, 0.2188, 0.3060

Monochromacy



Original Color

65.1174, 0.2190, 0.3085



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

43.8157, 0.2498, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1174, 0.2190, 0.3085 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, 233, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 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, 233, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 249) }
```

Border

The CSS property to change the border of an element to Yxy 65.1174, 0.2190, 0.3085 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, 233, 249) }
```

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

```
.border{ border-color:rgb(0, 233, 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, 233, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1174, 0.2190, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 249) }
```

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

```
.background{ background-color: rgb(0, 233,  
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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