

# Converting Colors

$Y_{xy}(65.7344, 0.2193, 0.3010)$

Have a look what the booklet for  
Yxy(65.7344, 0.2193, 0.3010)  
contains.

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# Color

**Yxy(65.9099, 0.2194, 0.3014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26E9FF
RGB	38, 233, 255
RGB Percent	15%, 91%, 100%
CMY	0.8521, 0.0862, 0.0000
CMYK	0.85, 0.09, 0.00, 0.00
HSL	186°, 100%, 57%
HSV	186°, 85%, 100%
XYZ	47.9782, 65.9099, 104.7911
YIQ	177.2030, -123.2820, -34.4980

# Conversions

## Conversions Part 2

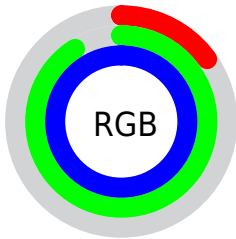
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 141, 255
Decimal	2550271
CIE <sub>Lab</sub>	84.95, -37.02, -23.41
CIE <sub>LCh</sub>	85, 43.800, 212.308
Yxy	65.9099, 0.2194, 0.3014
Android (android.graphics.Color)	4280740351 (0xFF26E9FF)
YUV	177.2030, 38.3539, -122.0810
Hunter-Lab	81.1849, -36.5847, -19.7003

# Details

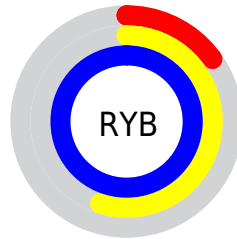
The Yxy color **65.9099, 0.2194, 0.3014** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.5953, 0.5993, 0.3413**, and the grayscale version is **43.8783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **35.5215, 0.2153, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **64.1357, 0.2166, 0.2979**, and if you desaturate by 10%, it is **68.0404, 0.2240, 0.3049**.

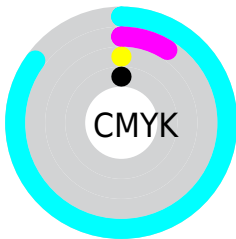
# Distribution



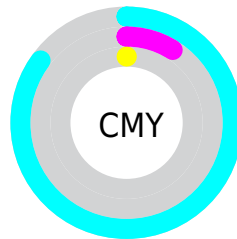
- Red (15%)
- Green (91%)
- Blue (100%)



- Red (15%)
- Yellow (55%)
- Blue (100%)



- Cyan (85%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (85%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9099, 0.2194, 0.3014 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 65.9099, 0.2194, 0.3014 by changing the saturation by 10% instead.



 65.9099, 0.2194,  
0.3014

 65.9099, 0.2194,  
0.3014


446.0546, 0.2615,  
0.3159

 48.1993, 0.2101,  
0.2977


 113.3570, 0.2337,  
0.3067

 33.9847, 0.1989,  
0.2930


 143.8623, 0.2394,  
0.3087

 22.8819, 0.1851,  
0.2868


 179.4012, 0.2443,  
0.3104

 14.5063, 0.1677,  
0.2783

 220.3582, 0.2486,  
0.3118

 8.4736, 0.1454,  
0.2661

267.1176, 0.2524,  
0.3130

 4.3995, 0.1161,  
0.2475

320.0639, 0.2558,

 1.8994, 0.0767,

0.3141

379.5814, 0.2588,  
0.3150

0.2176

0.5480, 0.0000,  
0.1603

0.0000, 0.0000,  
0.0000

65.9099, 0.2194,  
0.3014

65.9099, 0.2194,  
0.3014

64.1357, 0.2166,  
0.2979

68.0404, 0.2240,  
0.3049

63.3692, 0.2156,  
0.2963

70.5787, 0.2306,  
0.3085

73.5745, 0.2392,  
0.3120

77.0688, 0.2496,  
0.3155

81.0975, 0.2616,  
0.3188

85.6932, 0.2749,  
0.3220

90.8861, 0.2894,  
0.3249

96.7036, 0.3046,  
0.3277

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

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



65.9099, 0.2458, 0.3554



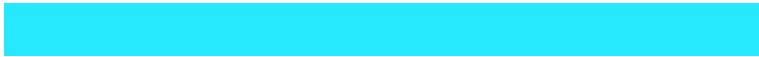
65.9099, 0.2194, 0.3014



65.9099, 0.2158, 0.2622

# Triad

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



65.9099, 0.2194, 0.3014



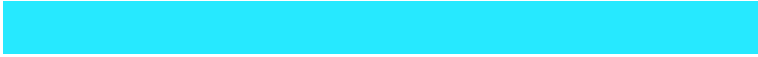
65.9099, 0.3279, 0.2670



65.9099, 0.3919, 0.4174

# Complementary

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



65.9099, 0.2194, 0.3014



24.5953, 0.5993, 0.3413

# 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.



65.9099, 0.4191, 0.3844



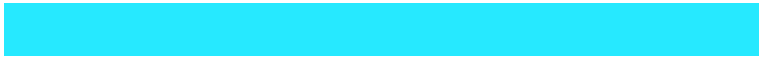
65.9099, 0.2194, 0.3014



65.9099, 0.3813, 0.3009

# Square

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



65.9099, 0.2194, 0.3014



65.9099, 0.2744, 0.2467



65.9099, 0.4158, 0.3424



65.9099, 0.3446, 0.4280

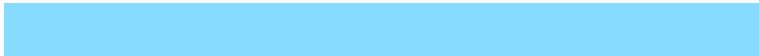


# Rectangle

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



65.9099, 0.2194, 0.3014



65.9099, 0.2261, 0.2478



65.9099, 0.4158, 0.3424



65.9099, 0.4039, 0.4082

# Sweetspot

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



65.9123, 0.2194, 0.3014



85.3166, 0.2738, 0.3217



72.2405, 0.2970, 0.5744



17.9098, 0.2691, 0.3206



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

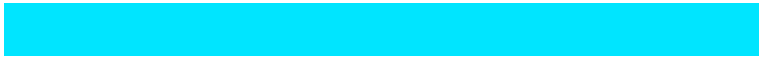


# Same Dimension

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



65.9123, 0.2194, 0.3014



63.3749, 0.2156, 0.2963



22.1981, 0.1791, 0.1522



20.1489, 0.2980, 0.3265



33.2424, 0.2158, 0.2968



3.3236, 0.2169, 0.3008



# Inverse Universe

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



28.5101, 0.3437, 0.1730



26.9289, 0.3487, 0.1695



49.4306, 0.4901, 0.4357



18.2668, 0.3154, 0.3079



14.0838, 0.3482, 0.1692

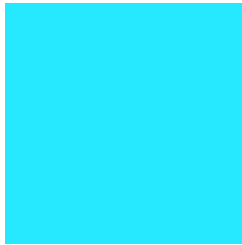


1.3801, 0.3447, 0.1673



# Previews

## White Background



This preview shows how the Yxy color 65.9099, 0.2194, 0.3014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

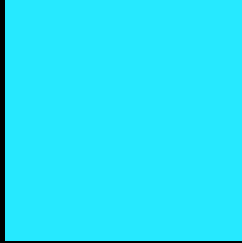
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9099, 0.2194, 0.3014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

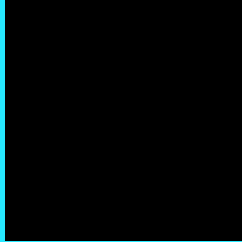
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.9099, 0.2194, 0.3014**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9099, 0.2194, 0.3014.

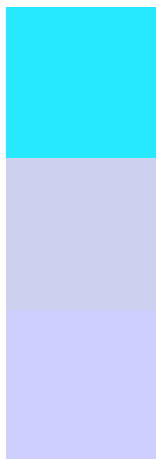


This preview shows how white text looks on a background with the Yxy color 65.9099, 0.2194, 0.3014.

# 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

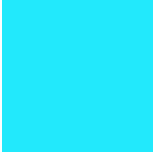
65.9099, 0.2194, 0.3014

### Protanopia

64.8121, 0.2900, 0.2957

### Deuteranopia

64.9675, 0.2807, 0.2771



## **Tritanopia**

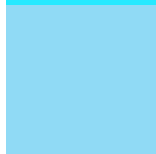
65.6462, 0.2200, 0.3049

# Trichromacy



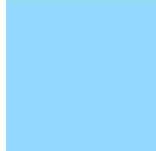
## Original Color

65.9099, 0.2194, 0.3014



## Protanomaly

62.6647, 0.2510, 0.2964



## Deuteranomaly

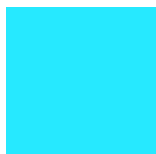
62.3515, 0.2463, 0.2829



## Tritanomaly

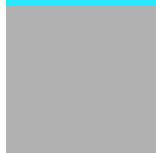
65.7270, 0.2198, 0.3037

# Monochromacy



## Original Color

65.9099, 0.2194, 0.3014



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

48.7759, 0.2580, 0.3179

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9099, 0.2194, 0.3014 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(38, 233, 255)` looks like.

```
.text, #text, p{  
  color:rgb(38, 233, 255)  
}
```

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(38, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 233, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9099, 0.2194, 0.3014 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(38, 233, 255) }
```

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

```
.border{ border-color:rgb(38, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 233,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9099, 0.2194, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 233, 255) }
```

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

```
.background{ background-color: rgb(38, 233,  
255) }
```

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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