

# Converting Colors

$Y_{xy}(62.3391, 0.2174, 0.3018)$

Have a look what the booklet for  
Yxy(62.3391, 0.2174, 0.3018)  
contains.

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# Color

**Yxy(62.3651, 0.2174, 0.3019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05E4F9
RGB	5, 228, 249
RGB Percent	2%, 89%, 98%
CMY	0.9800, 0.1058, 0.0235
CMYK	0.98, 0.08, 0.00, 0.02
HSL	185°, 96%, 50%
HSV	185°, 98%, 98%
XYZ	44.9095, 62.3651, 99.3008
YIQ	163.7170, -139.6490, -40.7450

# Conversions

## Conversions Part 2

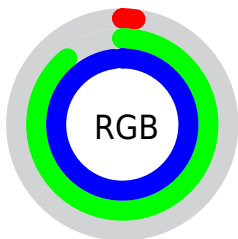
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	5, 122, 249
Decimal	386297
CIE Lab	83.11, -37.75, -23.08
CIE LCh	83, 44.245, 211.439
Yxy	62.3651, 0.2174, 0.3019
Android (android.graphics.Color)	4278576377 (0xFF05E4F9)
YUV	163.7170, 42.0445, -139.1948
Hunter-Lab	78.9716, -36.6910, -19.2726

# Details

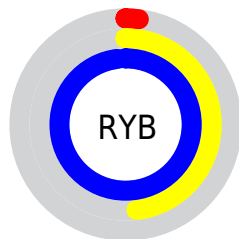
The Yxy color **62.3651, 0.2174, 0.3019** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **20.8958, 0.6319, 0.3345**, and the grayscale version is **36.8481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **33.3553, 0.2151, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **62.0934, 0.2170, 0.3013**, and if you desaturate by 10%, it is **63.7973, 0.2197, 0.3048**.

# Distribution



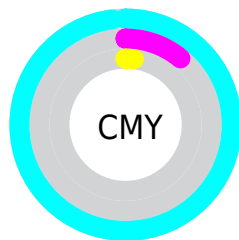
- Red (2%)
- Green (89%)
- Blue (98%)



- Red (2%)
- Yellow (48%)
- Blue (98%)



- Cyan (98%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (98%)
- Magenta (11%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3651, 0.2174, 0.3019 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 62.3651, 0.2174, 0.3019 by changing the saturation by 10% instead.




 62.3651, 0.2174,  
0.3019

 62.3651, 0.2174,  
0.3019

433.2616, 0.2608,  
0.3163

 45.3278, 0.2078,  
0.2982


 108.2530, 0.2322,  
0.3073

 31.7157, 0.1961,  
0.2934


 137.8724, 0.2381,  
0.3092

 21.1444, 0.1816,  
0.2870


 172.4546, 0.2431,  
0.3109

 13.2296, 0.1634,  
0.2781

 212.3840, 0.2476,  
0.3123

 7.5868, 0.1398,  
0.2652

 258.0450, 0.2515,  
0.3135

 3.8317, 0.1090,  
0.2453

309.8220, 0.2549,

 1.5799, 0.0619,

0.3146

0.2138

368.0994, 0.2580,  
0.3155

■ 0.3440, 0.0000,  
0.1257

■ 0.0000, 0.0000,  
0.0000

■ 62.3651, 0.2174,  
0.3019

■ 62.3651, 0.2174,  
0.3019

■ 62.0934, 0.2170,  
0.3013

■ 63.7973, 0.2197,  
0.3048

■ 65.5322, 0.2236,  
0.3078

■ 67.6359, 0.2295,  
0.3108

■ 70.1553, 0.2373,  
0.3138

■ 73.1304, 0.2470,  
0.3167

■ 76.5963, 0.2584,  
0.3196

■ 80.5844, 0.2713,  
0.3223

■ 85.1236, 0.2854,  
0.3249

■ 90.2408, 0.3004,  
0.3272

# Harmonies

## Analogous

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



62.3651, 0.2450, 0.3578



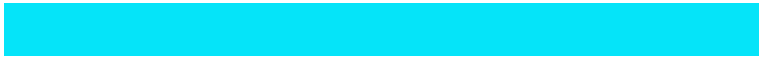
62.3651, 0.2174, 0.3019



62.3651, 0.2131, 0.2611

# Triad

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



62.3651, 0.2174, 0.3019



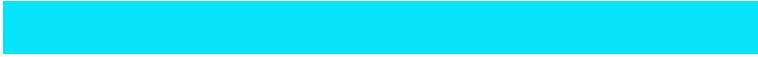
62.3651, 0.3265, 0.2646



62.3651, 0.3952, 0.4190

# Complementary

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



62.3651, 0.2174, 0.3019



20.8958, 0.6319, 0.3345

# 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.



62.3651, 0.4225, 0.3845



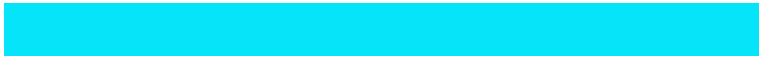
62.3651, 0.2174, 0.3019



62.3651, 0.3819, 0.2989

# Square

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



62.3651, 0.2174, 0.3019



62.3651, 0.2718, 0.2442



62.3651, 0.4182, 0.3413



62.3651, 0.3469, 0.4311

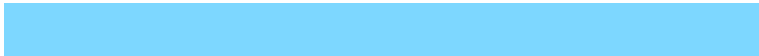


# Rectangle

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



62.3651, 0.2174, 0.3019



62.3651, 0.2232, 0.2460



62.3651, 0.4182, 0.3413



62.3651, 0.4073, 0.4093

# Sweetspot

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



62.3674, 0.2174, 0.3019



84.5752, 0.2699, 0.3220



67.8629, 0.2987, 0.5941



17.7085, 0.2643, 0.3209



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

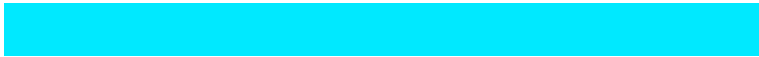


# Same Dimension

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



62.3674, 0.2174, 0.3019



65.5253, 0.2170, 0.3013



17.3317, 0.1703, 0.1318



19.3379, 0.2980, 0.3269



33.3400, 0.2172, 0.3018



3.1608, 0.2181, 0.3053



# Inverse Universe

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



25.8545, 0.3437, 0.1673



27.1460, 0.3443, 0.1670



41.1385, 0.5155, 0.4276



17.4973, 0.3151, 0.3076



13.7766, 0.3438, 0.1668

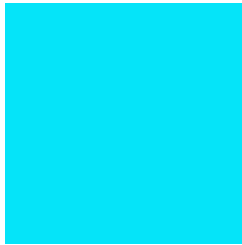


1.2833, 0.3408, 0.1651



# Previews

## White Background



This preview shows how the Yxy color 62.3651, 0.2174, 0.3019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

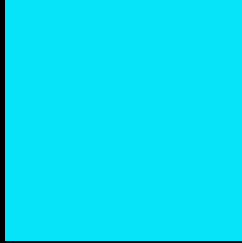
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3651, 0.2174, 0.3019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

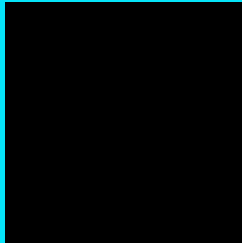
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3651, 0.2174, 0.3019**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3651, 0.2174, 0.3019.

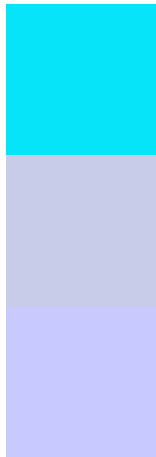


This preview shows how white text looks on a background with the Yxy color 62.3651, 0.2174, 0.3019.

# 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

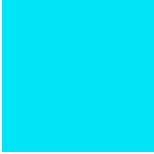
62.3586, 0.2174, 0.3019

### Protanopia

61.4864, 0.2908, 0.2961

### Deuteranopia

61.2726, 0.2763, 0.2697



## Tritanopia

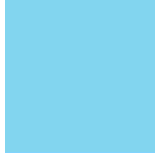
62.2022, 0.2179, 0.3043

# Trichromacy



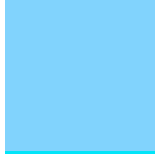
## Original Color

62.3586, 0.2174, 0.3019



## Protanomaly

58.5663, 0.2459, 0.2965



## Deuteranomaly

58.3475, 0.2385, 0.2779



## Tritanomaly

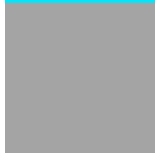
62.2770, 0.2176, 0.3031

# Monochromacy



## Original Color

62.3586, 0.2174, 0.3019



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

42.5449, 0.2501, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.3651, 0.2174, 0.3019 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(5, 228, 249)` looks like.

```
.text, #text, p{  
    color:rgb(5, 228, 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(5, 228, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 228, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3651, 0.2174, 0.3019 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(5, 228, 249) }
```

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

```
.border{ border-color:rgb(5, 228, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 228, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(5, 228,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3651, 0.2174, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 228, 249) }
```

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

```
.background{ background-color: rgb(5, 228,  
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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