

# Converting Colors

$Yxy(68.8580, 0.2340, 0.3485)$

Have a look what the booklet for  
Yxy(68.8580, 0.2340, 0.3485)  
contains.

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# Color

**Yxy(69.0059, 0.2339, 0.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2FF1E2
RGB	47, 241, 226
RGB Percent	18%, 95%, 89%
CMY	0.8156, 0.0549, 0.1138
CMYK	0.80, 0.00, 0.06, 0.05
HSL	175°, 87%, 56%
HSV	175°, 80%, 95%
XYZ	46.3540, 69.0059, 82.8190
YIQ	181.2840, -110.8090, -45.7930

# Conversions

## Conversions Part 2

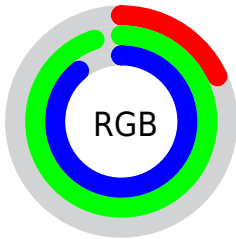
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	47, 148, 241
Decimal	3142114
CIE <sub>Lab</sub>	86.51, -48.27, -5.83
CIE <sub>LCh</sub>	87, 48.623, 186.886
Yxy	69.0059, 0.2339, 0.3482
Android (android.graphics.Color)	4281332194 (0xFF2FF1E2)
YUV	181.2840, 22.0450, -117.7671
Hunter-Lab	83.0698, -45.7668, -0.9621

# Details

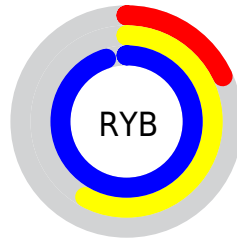
The Yxy color **69.0059, 0.2339, 0.3482** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.0849, 0.5794, 0.3201**, and the grayscale version is **46.2983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **37.2213, 0.2308, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **68.4830, 0.2320, 0.3508**, and if you desaturate by 10%, it is **69.8509, 0.2377, 0.3456**.

# Distribution



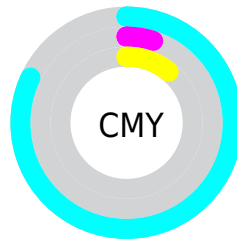
- Red (18%)
- Green (95%)
- Blue (89%)



- Red (18%)
- Yellow (58%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)




- Cyan (82%)
- Magenta (5%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0059, 0.2339, 0.3482 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 69.0059, 0.2339, 0.3482 by changing the saturation by 10% instead.





 69.0059, 0.2339,  
0.3482


 69.0059, 0.2339,  
0.3482


457.0518, 0.2700,  
0.3400


 50.7165, 0.2258,  
0.3499


 117.7900, 0.2463,  
0.3455

 35.9830, 0.2159,  
0.3519


 149.0535, 0.2512,  
0.3444

 24.4211, 0.2035,  
0.3542


 185.4105, 0.2554,  
0.3434

 15.6463, 0.1877,  
0.3570

 227.2454, 0.2590,  
0.3426

 9.2742, 0.1667,  
0.3603

274.9426, 0.2623,  
0.3418

 4.9205, 0.1381,  
0.3637

328.8864, 0.2651,

 2.2007, 0.0933,

0.3412

0.3678

389.4614, 0.2677,  
0.3405

0.7204, 0.0000,  
0.3731

0.0000, 0.0000,  
0.0000

69.0059, 0.2339,  
0.3482

69.0059, 0.2339,  
0.3482

68.4830, 0.2320,  
0.3508


69.8509, 0.2377,  
0.3456

68.2058, 0.2315,  
0.3533

71.0557, 0.2434,  
0.3429


72.6610, 0.2511,  
0.3403


74.7001, 0.2606,  
0.3378

 77.2028, 0.2717,  
0.3354

 80.1963, 0.2842,  
0.3331

 83.7057, 0.2977,  
0.3310

 87.7543, 0.3120,  
0.3291

 90.6309, 0.3208,  
0.3273

# Harmonies

## Analogous

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



69.0059, 0.2802, 0.4060



69.0059, 0.2339, 0.3482



69.0059, 0.2094, 0.2904

# Triad

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



69.0059, 0.2339, 0.3482



69.0059, 0.2789, 0.2422



69.0059, 0.4260, 0.3948

# Complementary

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



69.0059, 0.2339, 0.3482



21.0849, 0.5794, 0.3201

# 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.



69.0059, 0.4284, 0.3499



69.0059, 0.2339, 0.3482



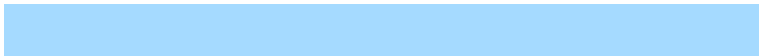
69.0059, 0.3384, 0.2666

# Square

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



69.0059, 0.2339, 0.3482



69.0059, 0.2334, 0.2361



69.0059, 0.3953, 0.3047



69.0059, 0.3917, 0.4289



# Rectangle

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



69.0059, 0.2339, 0.3482



69.0059, 0.2067, 0.2620



69.0059, 0.3953, 0.3047



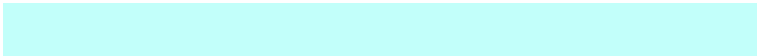
69.0059, 0.4308, 0.3804

# Sweetspot

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



69.0085, 0.2339, 0.3482



89.8815, 0.2796, 0.3339



64.1817, 0.3052, 0.5756



18.9797, 0.2751, 0.3347



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.



69.0085, 0.2339, 0.3482



77.6170, 0.2316, 0.3526



32.1602, 0.1981, 0.2149



17.9066, 0.2991, 0.3308



36.9942, 0.2314, 0.3529



3.0838, 0.2304, 0.3494



# Inverse Universe

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



21.0849, 0.5794, 0.3201



21.5043, 0.6290, 0.3258



34.3063, 0.5187, 0.4000



15.7787, 0.3281, 0.3272



10.1733, 0.6316, 0.3253

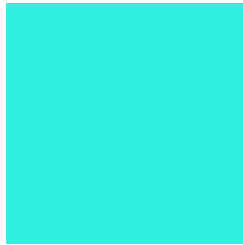


0.8532, 0.6115, 0.3142



# Previews

## White Background



This preview shows how the Yxy color 69.0059, 0.2339, 0.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

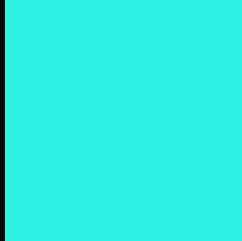
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0059, 0.2339, 0.3482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

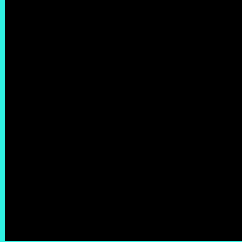
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0059, 0.2339, 0.3482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0059, 0.2339, 0.3482.

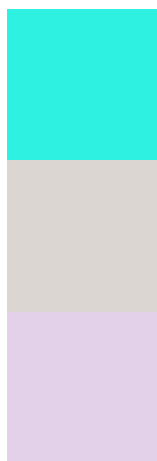


This preview shows how white text looks on a background with the Yxy color 69.0059, 0.2339, 0.3482.

# 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

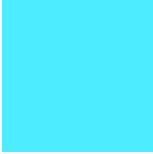
69.0059, 0.2339, 0.3482

### Protanopia

67.8063, 0.3191, 0.3335

### Deuteranopia

67.8150, 0.3095, 0.3034



## **Tritanopia**

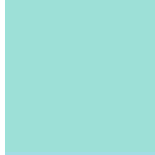
68.7887, 0.2271, 0.3056

# Trichromacy



## Original Color

69.0059, 0.2339, 0.3482



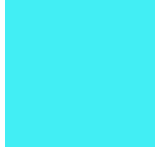
## Protanomaly

65.3371, 0.2735, 0.3387



## Deuteranomaly

65.1075, 0.2689, 0.3181



## Tritanomaly

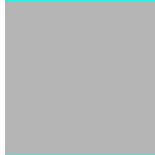
68.8390, 0.2294, 0.3213

# Monochromacy



## Original Color

69.0059, 0.2339, 0.3482



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

51.6486, 0.2672, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0059, 0.2339, 0.3482 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(47, 241, 226)` looks like.

```
.text, #text, p{  
    color:rgb(47, 241, 226)  
}
```

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(47, 241, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 241, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0059, 0.2339, 0.3482 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(47, 241, 226) }
```

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

```
.border{ border-color:rgb(47, 241, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 241, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 241, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 241, 226);  
box-shadow:4px 4px 4px 4px rgb(47, 241,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0059, 0.2339, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 241, 226) }
```

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

```
.background{ background-color: rgb(47, 241,  
226) }
```

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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