

Converting Colors

$Y_{xy}(69.0501, 0.2270, 0.3062)$

Have a look what the booklet for
Yxy(69.0501, 0.2270, 0.3062)
contains.

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Color

Yxy(69.3249, 0.2271, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	4CEDFF
RGB	76, 237, 255
RGB Percent	30%, 93%, 100%
CMY	0.7027, 0.0705, 0.0001
CMYK	0.70, 0.07, 0.00, 0.00
HSL	186°, 100%, 65%
HSV	186°, 70%, 100%
XYZ	51.2991, 69.3249, 105.2636
YIQ	190.9130, -101.7340, -28.5340

Conversions

Conversions Part 2

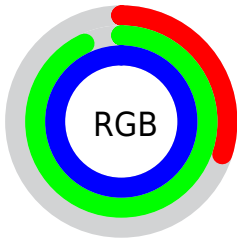
Format	Color
RYB	76, 161, 255
Decimal	5041663
CIELab	86.66, -35.43, -20.75
CIELCh	87, 41.057, 210.359
Yxy	69.3249, 0.2271, 0.3069
Android (android.graphics.Color)	4283231743 (0xFF4CEDFF)
YUV	190.9130, 31.5949, -100.7787
Hunter-Lab	83.2616, -35.7304, -16.6744

Details

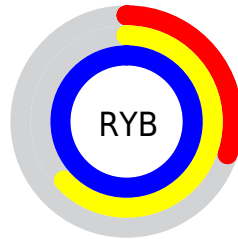
The Yxy color **69.3249, 0.2271, 0.3069** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.7368, 0.5387, 0.3444**, and the grayscale version is **51.8745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.0157, 0.2215, 0.3034**, and if you desaturate by 10%, it is **72.0734, 0.2347, 0.3104**.

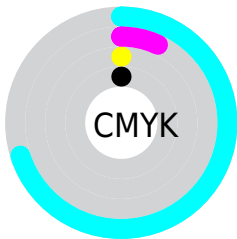
Distribution



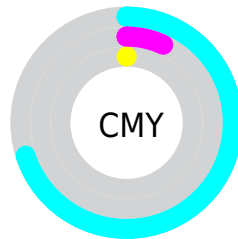
- Red (30%)
- Green (93%)
- Blue (100%)



- Red (30%)
- Yellow (63%)
- Blue (100%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3249, 0.2271, 0.3069 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 69.3249, 0.2271, 0.3069 by changing the saturation by 10% instead.


 69.3249, 0.2271,
0.3069

 69.3249, 0.2271,
0.3069


458.1760, 0.2656,
0.3185


 50.9764, 0.2186,
0.3040


 118.2455, 0.2402,
0.3112


 36.1898, 0.2084,
0.3002


 149.5864, 0.2454,
0.3128

 24.5808, 0.1957,
0.2952


 186.0268, 0.2499,
0.3141

 15.7650, 0.1798,
0.2884

 227.9511, 0.2538,
0.3152

 9.3580, 0.1591,
0.2785

275.7439, 0.2573,
0.3162

 4.9754, 0.1318,
0.2635

329.7893, 0.2603,

 2.2329, 0.0951,

0.3171

0.2387

390.4719, 0.2631,
0.3178

0.7378, 0.0000,
0.2020

0.0000, 0.0000,
0.0000

69.3249, 0.2271,
0.3069

69.3249, 0.2271,
0.3069

67.0157, 0.2215,
0.3034

72.0734, 0.2347,
0.3104

65.0858, 0.2178,
0.2999

75.2974, 0.2441,
0.3139

63.4926, 0.2157,
0.2966

79.0376, 0.2553,
0.3172

83.3283, 0.2680,
0.3205

■ 88.2007, 0.2820,
0.3235

■ 93.6835, 0.2968,
0.3263

99.8038, 0.3123,
0.3289

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



69.3249, 0.2532, 0.3567



69.3249, 0.2271, 0.3069



69.3249, 0.2222, 0.2692

Triad

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



69.3249, 0.2271, 0.3069



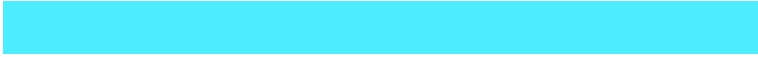
69.3249, 0.3235, 0.2697



69.3249, 0.3885, 0.4095

Complementary

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



69.3249, 0.2271, 0.3069



29.7368, 0.5387, 0.3444

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.



69.3249, 0.4117, 0.3786



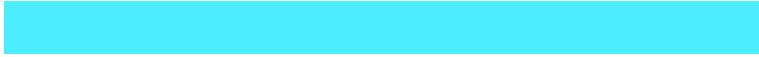
69.3249, 0.2271, 0.3069



69.3249, 0.3731, 0.3008

Square

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



69.3249, 0.2271, 0.3069



69.3249, 0.2745, 0.2517



69.3249, 0.4064, 0.3394



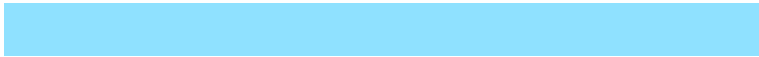
69.3249, 0.3458, 0.4201

Rectangle

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



69.3249, 0.2271, 0.3069



69.3249, 0.2310, 0.2547



69.3249, 0.4064, 0.3394



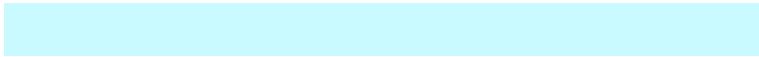
69.3249, 0.3990, 0.4008

Sweetspot

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



69.3275, 0.2271, 0.3069



87.8438, 0.2809, 0.3233



73.8363, 0.2968, 0.5382



18.5040, 0.2770, 0.3225



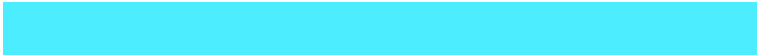
0.0000, 0.0000, 0.0000



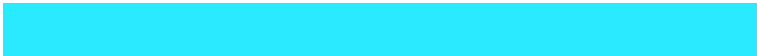
21.4041, 0.3127, 0.3290

Same Dimension

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



69.3275, 0.2271, 0.3069



66.2685, 0.2199, 0.3021



29.7613, 0.1970, 0.1861



20.1519, 0.2980, 0.3265



33.3100, 0.2159, 0.2971



3.3295, 0.2170, 0.3011

Inverse Universe

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



32.5128, 0.3379, 0.1859



28.7459, 0.3431, 0.1736



55.7681, 0.4589, 0.4299



18.2671, 0.3153, 0.3079



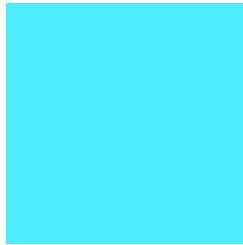
14.0906, 0.3479, 0.1690



1.3807, 0.3445, 0.1671

Previews

White Background



This preview shows how the Yxy color 69.3249, 0.2271, 0.3069 looks on a white background.

Color Contrast Check

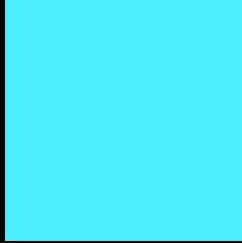
Large Text (above 18pt) WCAG AA × Fail

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 69.3249, 0.2271, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

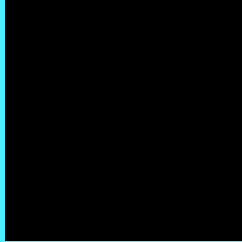
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.3249, 0.2271, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 69.3249, 0.2271, 0.3069.

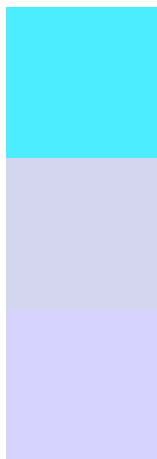


This preview shows how white text looks on a background with the Yxy color 69.3249, 0.2271, 0.3069.

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

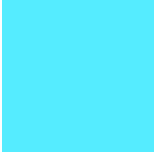
69.3249, 0.2271, 0.3069

Protanopia

68.3815, 0.2943, 0.3007

Deuteranopia

68.1047, 0.2863, 0.2822



Tritanopia

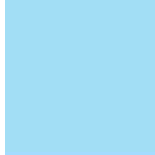
69.1422, 0.2290, 0.3057

Trichromacy



Original Color

69.3249, 0.2271, 0.3069



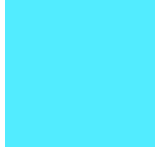
Protanomaly

66.5165, 0.2611, 0.3021



Deuteranomaly

66.2989, 0.2568, 0.2888



Tritanomaly

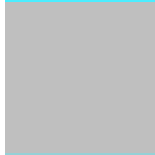
69.0047, 0.2282, 0.3057

Monochromacy



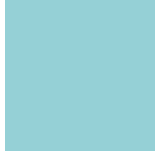
Original Color

69.3249, 0.2271, 0.3069



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.3564, 0.2684, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3249, 0.2271, 0.3069 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(76, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 237, 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(76, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.3249, 0.2271, 0.3069 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(76, 237, 255) }
```

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

```
.border{ border-color:rgb(76, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3249, 0.2271, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 237, 255) }
```

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

```
.background{ background-color: rgb(76, 237,  
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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