

Converting Colors

$Y_{xy}(70.0064, 0.2270, 0.3084)$

Have a look what the booklet for
Yxy(70.0064, 0.2270, 0.3084)
contains.

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Color

Yxy(69.8249, 0.2270, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	4AEEFF
RGB	74, 238, 255
RGB Percent	29%, 93%, 100%
CMY	0.7099, 0.0666, 0.0001
CMYK	0.71, 0.07, 0.00, 0.00
HSL	186°, 100%, 65%
HSV	186°, 71%, 100%
XYZ	51.4452, 69.8249, 105.3606
YIQ	190.9020, -103.2010, -29.4810

Conversions

Conversions Part 2

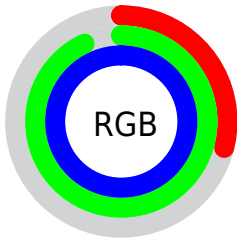
Format	Color
RYB	74, 160, 255
Decimal	4910847
CIELab	86.91, -36.10, -20.39
CIElCh	87, 41.461, 209.453
Yxy	69.8249, 0.2270, 0.3081
Android (android.graphics.Color)	4283100927 (0xFF4AEEFF)
YUV	190.9020, 31.6003, -102.5231
Hunter-Lab	83.5613, -36.3374, -16.2645

Details

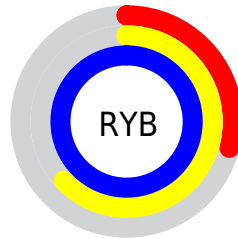
The Yxy color **69.8249, 0.2270, 0.3081** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.2281, 0.5429, 0.3434**, and the grayscale version is **51.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **67.6288, 0.2216, 0.3048**, and if you desaturate by 10%, it is **72.4544, 0.2343, 0.3114**.

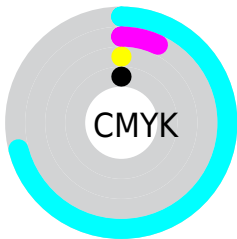
Distribution



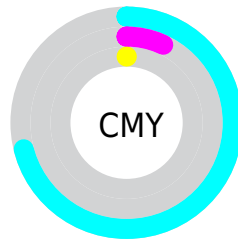
- Red (29%)
- Green (93%)
- Blue (100%)



- Red (29%)
- Yellow (63%)
- Blue (100%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8249, 0.2270, 0.3081 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 69.8249, 0.2270, 0.3081 by changing the saturation by 10% instead.


 69.8249, 0.2270,
0.3081


 69.8249, 0.2270,
0.3081


459.9350, 0.2655,
0.3191


 51.3838, 0.2186,
0.3053


 118.9590, 0.2401,
0.3122


 36.5141, 0.2083,
0.3017


 150.4208, 0.2453,
0.3137

 24.8315, 0.1957,
0.2969


 186.9916, 0.2497,
0.3150

 15.9516, 0.1797,
0.2903

 229.0559, 0.2537,
0.3160

 9.4899, 0.1592,
0.2808

276.9980, 0.2572,
0.3170

 5.0621, 0.1319,
0.2663

331.2022, 0.2602,

 2.2837, 0.0954,

0.3178

0.2422

392.0531, 0.2630,
0.3185

0.7651, 0.0000,
0.2074

0.0000, 0.0000,
0.0000

69.8249, 0.2270,
0.3081

69.8249, 0.2270,
0.3081

67.6288, 0.2216,
0.3048

72.4544, 0.2343,
0.3114

65.8052, 0.2182,
0.3016

75.5539, 0.2436,
0.3146

64.4080, 0.2163,
0.2987

79.1645, 0.2546,
0.3178

83.3207, 0.2671,
0.3208

■ 88.0538, 0.2810,
0.3237

■ 93.3929, 0.2958,
0.3263

■ 99.3648, 0.3112,
0.3288

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



69.8249, 0.2538, 0.3585



69.8249, 0.2270, 0.3081



69.8249, 0.2215, 0.2696

Triad

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



69.8249, 0.2270, 0.3081



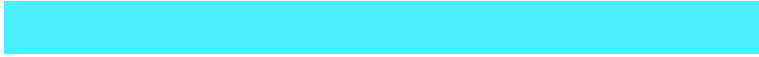
69.8249, 0.3220, 0.2686



69.8249, 0.3901, 0.4093

Complementary

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



69.8249, 0.2270, 0.3081



29.2281, 0.5429, 0.3434

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.



69.8249, 0.4127, 0.3777



69.8249, 0.2270, 0.3081



69.8249, 0.3722, 0.2995

Square

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



69.8249, 0.2270, 0.3081



69.8249, 0.2729, 0.2509



69.8249, 0.4065, 0.3382



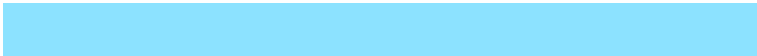
69.8249, 0.3474, 0.4209

Rectangle

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



69.8249, 0.2270, 0.3081



69.8249, 0.2298, 0.2546



69.8249, 0.4065, 0.3382



69.8249, 0.4004, 0.4004

Sweetspot

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



69.8275, 0.2270, 0.3081



88.0566, 0.2809, 0.3237



73.6888, 0.2977, 0.5433



18.5553, 0.2770, 0.3229



0.0000, 0.0000, 0.0000



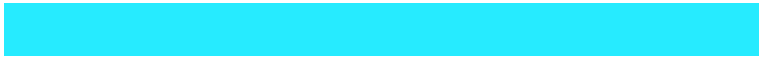
21.4041, 0.3127, 0.3290

Same Dimension

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



69.8275, 0.2270, 0.3081



66.8631, 0.2200, 0.3035



30.2973, 0.1971, 0.1885



20.1729, 0.2980, 0.3267



33.7785, 0.2165, 0.2992



3.3703, 0.2175, 0.3029

Inverse Universe

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



32.3267, 0.3369, 0.1842



28.6412, 0.3419, 0.1721



54.2207, 0.4631, 0.4277



18.2693, 0.3152, 0.3077



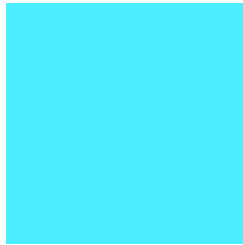
14.1379, 0.3461, 0.1680



1.3848, 0.3429, 0.1662

Previews

White Background



This preview shows how the Yxy color 69.8249, 0.2270, 0.3081 looks on a white background.

Color Contrast Check

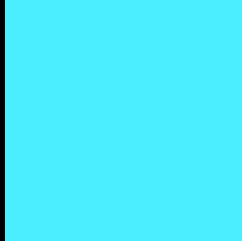
Large Text (above 18pt) WCAG AA × Fail

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 69.8249, 0.2270, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

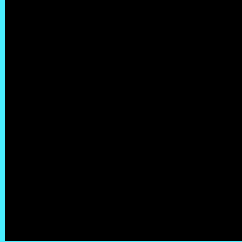
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8249, 0.2270, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 69.8249, 0.2270, 0.3081.

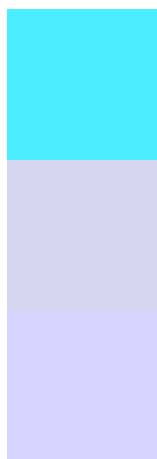


This preview shows how white text looks on a background with the Yxy color 69.8249, 0.2270, 0.3081.

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

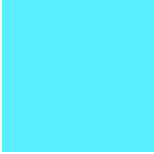
69.8249, 0.2270, 0.3081

Protanopia

68.5305, 0.2950, 0.3007

Deuteranopia

68.7540, 0.2870, 0.2834



Tritanopia

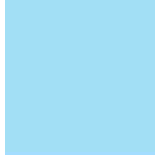
69.9620, 0.2306, 0.3070

Trichromacy



Original Color

69.8249, 0.2270, 0.3081



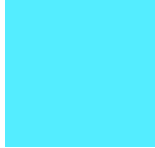
Protanomaly

67.0493, 0.2613, 0.3033



Deuteranomaly

66.8254, 0.2570, 0.2900



Tritanomaly

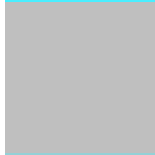
69.6732, 0.2291, 0.3070

Monochromacy



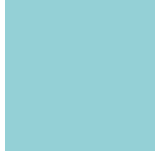
Original Color

69.8249, 0.2270, 0.3081



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.2627, 0.2678, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8249, 0.2270, 0.3081 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(74, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 238, 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(74, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.8249, 0.2270, 0.3081 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(74, 238, 255) }
```

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

```
.border{ border-color:rgb(74, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8249, 0.2270, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 238, 255) }
```

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

```
.background{ background-color: rgb(74, 238,  
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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