

Converting Colors

$Y_{xy}(76.0735, 0.2009, 0.2236)$

Have a look what the booklet for
Yxy(76.0735, 0.2009, 0.2236)
contains.

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Color

Yxy(69.2442, 0.2267, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	4AEDFF
RGB	74, 237, 255
RGB Percent	29%, 93%, 100%
CMY	0.7094, 0.0706, 0.0000
CMYK	0.71, 0.07, 0.00, 0.00
HSL	186°, 100%, 65%
HSV	186°, 71%, 100%
XYZ	51.1658, 69.2442, 105.2882
YIQ	190.3150, -102.9260, -28.9580

Conversions

Conversions Part 2

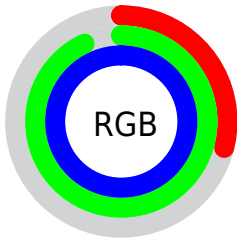
Format	Color
RYB	74, 160, 255
Decimal	4910591
CIELab	86.62, -35.61, -20.83
CIElCh	87, 41.256, 210.333
Yxy	69.2442, 0.2267, 0.3068
Android (android.graphics.Color)	4283100671 (0xFF4AEDFF)
YUV	190.3150, 31.8897, -102.0083
Hunter-Lab	83.2131, -35.8675, -16.7695

Details

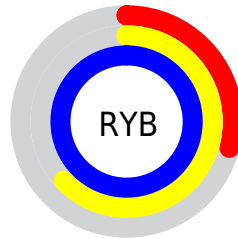
The Yxy color **69.2442, 0.2267, 0.3068** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.4307, 0.5418, 0.3443**, and the grayscale version is **51.5590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **66.9694, 0.2213, 0.3033**, and if you desaturate by 10%, it is **71.9529, 0.2341, 0.3103**.

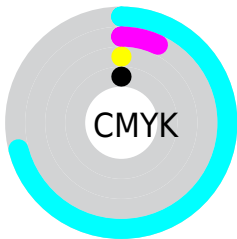
Distribution



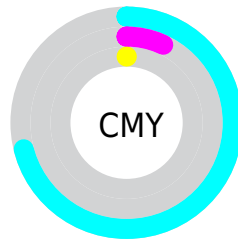
- Red (29%)
- Green (93%)
- Blue (100%)



- 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 69.2442, 0.2267, 0.3068 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 69.2442, 0.2267, 0.3068 by changing the saturation by 10% instead.


 69.2442, 0.2267,
0.3068


 69.2442, 0.2267,
0.3068


457.8918, 0.2654,
0.3184


 50.9106, 0.2182,
0.3038

 118.1303, 0.2399,
0.3111

 36.1375, 0.2079,
0.3000


 149.4516, 0.2450,
0.3127

 24.5404, 0.1952,
0.2950


 185.8709, 0.2496,
0.3140

 15.7350, 0.1792,
0.2882

 227.7727, 0.2535,
0.3152

 9.3368, 0.1585,
0.2783

275.5412, 0.2570,
0.3162

 4.9615, 0.1310,
0.2631

329.5610, 0.2601,

 2.2247, 0.0943,

0.3170

0.2382

390.2164, 0.2629,
0.3178

■ 0.7334, 0.0000,
0.2009

■ 0.0000, 0.0000,
0.0000

■ 69.2442, 0.2267,
0.3068

■ 69.2442, 0.2267,
0.3068

■ 66.9694, 0.2213,
0.3033

■ 71.9529, 0.2341,
0.3103

■ 65.0708, 0.2177,
0.2999

■ 75.1352, 0.2434,
0.3138

■ 63.6012, 0.2158,
0.2968

■ 78.8312, 0.2545,
0.3171

■ 83.0752, 0.2672,
0.3203

87.8989, 0.2810,
0.3234

93.3310, 0.2958,
0.3262

99.3986, 0.3113,
0.3288

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



69.2442, 0.2529, 0.3569



69.2442, 0.2267, 0.3068



69.2442, 0.2218, 0.2689

Triad

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



69.2442, 0.2267, 0.3068



69.2442, 0.3235, 0.2694



69.2442, 0.3889, 0.4098

Complementary

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



69.2442, 0.2267, 0.3068



29.4307, 0.5418, 0.3443

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.



69.2442, 0.4122, 0.3787



69.2442, 0.2267, 0.3068



69.2442, 0.3734, 0.3006

Square

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



69.2442, 0.2267, 0.3068



69.2442, 0.2743, 0.2513



69.2442, 0.4069, 0.3394



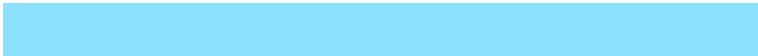
69.2442, 0.3459, 0.4206

Rectangle

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



69.2442, 0.2267, 0.3068



69.2442, 0.2305, 0.2543



69.2442, 0.4069, 0.3394



69.2442, 0.3994, 0.4011

Sweetspot

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



69.2458, 0.2267, 0.3068



87.8661, 0.2809, 0.3233



73.7047, 0.2977, 0.5432



18.5093, 0.2770, 0.3225



0.0000, 0.0000, 0.0000



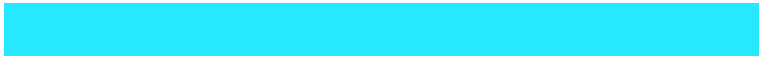
21.4041, 0.3127, 0.3290

Same Dimension

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



69.2458, 0.2267, 0.3068



66.1557, 0.2196, 0.3019



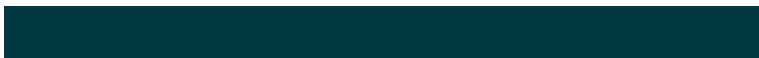
30.3283, 0.1971, 0.1886



20.1541, 0.2980, 0.3266



33.3590, 0.2159, 0.2974



3.3337, 0.2170, 0.3013

Inverse Universe

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



32.2868, 0.3380, 0.1850



28.5698, 0.3432, 0.1729



54.2494, 0.4630, 0.4277



18.2674, 0.3153, 0.3079



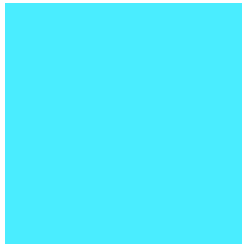
14.0956, 0.3477, 0.1689



1.3811, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 69.2442, 0.2267, 0.3068 looks on a white background.

Color Contrast Check

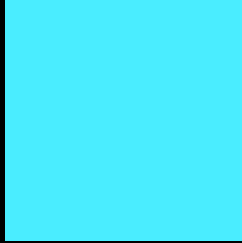
Large Text (above 18pt) WCAG AA × Fail

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 69.2442, 0.2267, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

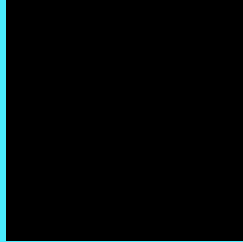
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2442, 0.2267, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 69.2442, 0.2267, 0.3068.

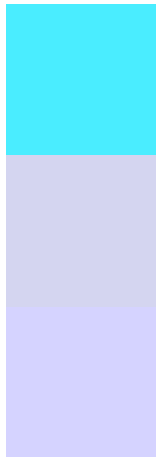


This preview shows how white text looks on a background with the Yxy color 69.2442, 0.2267, 0.3068.

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

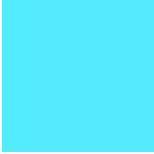
69.2442, 0.2267, 0.3068

Protanopia

67.8768, 0.2943, 0.2996

Deuteranopia

67.9547, 0.2856, 0.2822



Tritanopia

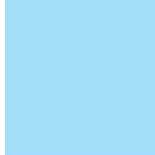
69.0499, 0.2285, 0.3057

Trichromacy



Original Color

69.2442, 0.2267, 0.3068



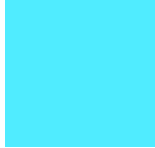
Protanomaly

66.5165, 0.2611, 0.3021



Deuteranomaly

66.0878, 0.2557, 0.2887



Tritanomaly

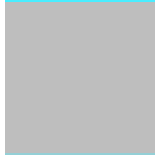
68.9164, 0.2278, 0.3057

Monochromacy



Original Color

69.2442, 0.2267, 0.3068



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.7766, 0.2676, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2442, 0.2267, 0.3068 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.2442, 0.2267, 0.3068 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, 237, 255) }
```

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

```
.border{ border-color:rgb(74, 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(74, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2442, 0.2267, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 237, 255) }
```

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

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