

Converting Colors

$Y_{xy}(75.7065, 0.2174, 0.2750)$

Have a look what the booklet for
Yxy(75.7065, 0.2174, 0.2750)
contains.

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Color

Yxy(72.9834, 0.2297, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	4FF3FF
RGB	79, 243, 255
RGB Percent	31%, 95%, 100%
CMY	0.6893, 0.0471, 0.0000
CMYK	0.69, 0.05, 0.00, 0.00
HSL	184°, 100%, 66%
HSV	184°, 69%, 100%
XYZ	53.3385, 72.9834, 105.8875
YIQ	195.3320, -101.5960, -31.0360

Conversions

Conversions Part 2

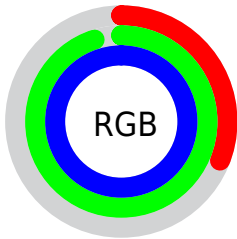
Format	Color
R_{YB}	79, 164, 255
Decimal	5239807
CIE _{Lab}	88.44, -37.75, -18.08
CIE _{LCh}	88, 41.860, 205.590
Yxy	72.9834, 0.2297, 0.3143
Android (android.graphics.Color)	4283429887 (0xFF4FF3FF)
YUV	195.3320, 29.4163, -102.0232
Hunter-Lab	85.4303, -38.0564, -13.6864

Details

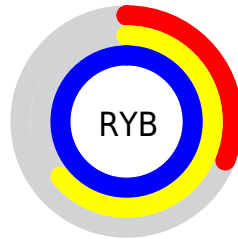
The Yxy color **72.9834, 0.2297, 0.3143** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.3496, 0.5371, 0.3396**, and the grayscale version is **54.6846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **71.0526, 0.2243, 0.3120**, and if you desaturate by 10%, it is **75.3482, 0.2371, 0.3167**.

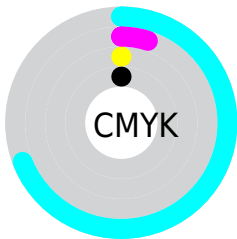
Distribution



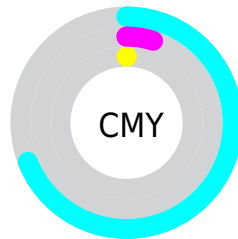
- Red (31%)
- Green (95%)
- Blue (100%)



- Red (31%)
- Yellow (64%)
- Blue (100%)



- Cyan (69%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (69%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9834, 0.2297, 0.3143 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 72.9834, 0.2297, 0.3143 by changing the saturation by 10% instead.


 72.9834, 0.2297,
0.3143


 72.9834, 0.2297,
0.3143


470.9573, 0.2668,
0.3223

 53.9624, 0.2216,
0.3122


 123.4536, 0.2423,
0.3173


 38.5716, 0.2118,
0.3095


 155.6717, 0.2473,
0.3184

 26.4266, 0.1997,
0.3058


 193.0575, 0.2516,
0.3193

 17.1431, 0.1844,
0.3008

 235.9955, 0.2554,
0.3201

 10.3365, 0.1647,
0.2934

284.8701, 0.2587,
0.3208

 5.6227, 0.1387,
0.2819

340.0656, 0.2617,

 2.6170, 0.1034,

0.3214

0.2624

401.9666, 0.2644,
0.3219

■ 0.9352, 0.0000,
0.2394

■ 0.0000, 0.0000,
0.0000

■ 72.9834, 0.2297,
0.3143

■ 72.9834, 0.2297,
0.3143

■ 71.0526, 0.2243,
0.3120

■ 75.3482, 0.2371,
0.3167

■ 69.4979, 0.2207,
0.3096

■ 78.1830, 0.2464,
0.3190

■ 68.2472, 0.2188,
0.3073

■ 81.5275, 0.2575,
0.3213

■ 68.1216, 0.2186,
0.3071

■ 85.4156, 0.2701,
0.3234

■ 89.8781, 0.2840,
0.3255

■ 94.9434, 0.2989,
0.3274

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.



72.9834, 0.2589, 0.3648



72.9834, 0.2297, 0.3143



72.9834, 0.2214, 0.2739

Triad

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



72.9834, 0.2297, 0.3143



72.9834, 0.3153, 0.2657



72.9834, 0.3940, 0.4057

Complementary

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



72.9834, 0.2297, 0.3143



29.3496, 0.5371, 0.3396

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.



72.9834, 0.4131, 0.3727



72.9834, 0.2297, 0.3143



72.9834, 0.3660, 0.2951

Square

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



72.9834, 0.2297, 0.3143



72.9834, 0.2676, 0.2502



72.9834, 0.4030, 0.3330



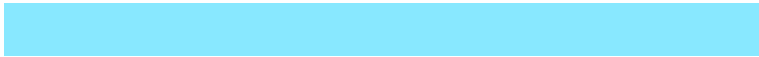
72.9834, 0.3534, 0.4205

Rectangle

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



72.9834, 0.2297, 0.3143



72.9834, 0.2279, 0.2572



72.9834, 0.4030, 0.3330



72.9834, 0.4032, 0.3961

Sweetspot

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



72.9857, 0.2297, 0.3143



88.9074, 0.2810, 0.3251



73.9460, 0.2988, 0.5404



18.7607, 0.2772, 0.3245



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.



72.9857, 0.2297, 0.3143



70.3779, 0.2226, 0.3110



32.4648, 0.2009, 0.1971



20.2563, 0.2980, 0.3273



35.6854, 0.2188, 0.3075



3.5359, 0.2195, 0.3101

Inverse Universe

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



33.3541, 0.3316, 0.1836



29.3365, 0.3354, 0.1698



53.9992, 0.4607, 0.4235



18.2777, 0.3149, 0.3072



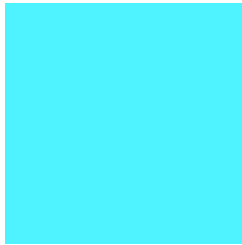
14.3304, 0.3389, 0.1641



1.4015, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 72.9834, 0.2297, 0.3143 looks on a white background.

Color Contrast Check

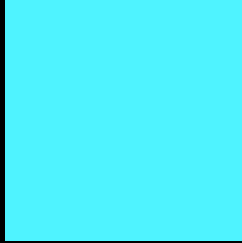
Large Text (above 18pt) WCAG AA × Fail

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 72.9834, 0.2297, 0.3143 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 72.9834, 0.2297, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 72.9834, 0.2297, 0.3143.

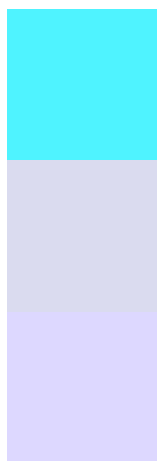


This preview shows how white text looks on a background with the Yxy color 72.9834, 0.2297, 0.3143.

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

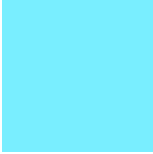
72.9834, 0.2297, 0.3143

Protanopia

71.8005, 0.2991, 0.3075

Deuteranopia

71.7039, 0.2911, 0.2882



Tritanopia

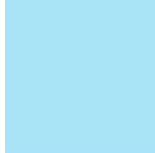
72.4340, 0.2409, 0.3088

Trichromacy



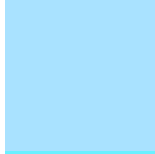
Original Color

72.9834, 0.2297, 0.3143



Protanomaly

70.4042, 0.2653, 0.3094



Deuteranomaly

70.0477, 0.2605, 0.2961



Tritanomaly

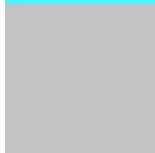
72.6043, 0.2362, 0.3110

Monochromacy



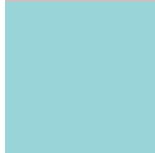
Original Color

72.9834, 0.2297, 0.3143



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.8690, 0.2696, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9834, 0.2297, 0.3143 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(79, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 243, 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(79, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9834, 0.2297, 0.3143 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(79, 243, 255) }
```

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

```
.border{ border-color:rgb(79, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9834, 0.2297, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 243, 255) }
```

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

```
.background{ background-color: rgb(79, 243,  
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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