

Converting Colors

$Y_{xy}(75.8131, 0.2126, 0.2521)$

Have a look what the booklet for
Yxy(75.8131, 0.2126, 0.2521)
contains.

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Color

Yxy(71.7643, 0.2318, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	5BF0FF
RGB	91, 240, 255
RGB Percent	36%, 94%, 100%
CMY	0.6430, 0.0588, 0.0001
CMYK	0.64, 0.06, 0.00, 0.00
HSL	185°, 100%, 68%
HSV	185°, 64%, 100%
XYZ	53.5231, 71.7643, 105.6145
YIQ	197.1590, -93.6190, -26.9230

Conversions

Conversions Part 2

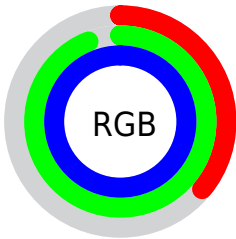
Format	Color
R_{YB}	91, 169, 255
Decimal	6025471
CIE Lab	87.86, -34.76, -18.92
CIE LCh	88, 39.573, 208.559
Yxy	71.7643, 0.2318, 0.3108
Android (android.graphics.Color)	4284215551 (0xFF5BF0FF)
YUV	197.1590, 28.5156, -93.1014
Hunter-Lab	84.7138, -35.4710, -14.6184

Details

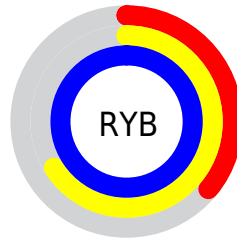
The Yxy color **71.7643, 0.2318, 0.3108** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **32.3209, 0.5125, 0.3431**, and the grayscale version is **55.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **37.9442, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **69.3211, 0.2252, 0.3076**, and if you desaturate by 10%, it is **74.6704, 0.2404, 0.3140**.

Distribution



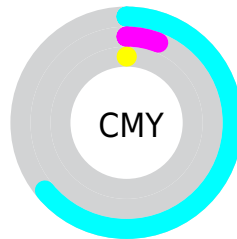
- Red (36%)
- Green (94%)
- Blue (100%)



- Red (36%)
- Yellow (66%)
- Blue (100%)



- Cyan (64%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7643, 0.2318, 0.3108 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 71.7643, 0.2318, 0.3108 by changing the saturation by 10% instead.

 71.7643, 0.2318,
0.3108

 71.7643, 0.2318,
0.3108

466.7208, 0.2681,
0.3204

 52.9662, 0.2238,
0.3084

 121.7214, 0.2441,
0.3143

 37.7758, 0.2142,
0.3052


 153.6491, 0.2490,
0.3157

 25.8087, 0.2023,
0.3011


 190.7221, 0.2532,
0.3168

 16.6806, 0.1872,
0.2953

233.3249, 0.2569,
0.3177

 10.0070, 0.1677,
0.2871

281.8417, 0.2602,
0.3185

 5.4036, 0.1418,
0.2744

336.6570, 0.2631,

 2.4860, 0.1064,

0.3192

0.2533

398.1553, 0.2657,
0.3199

0.8696, 0.0000,
0.2279

0.0000, 0.0000,
0.0000

71.7643, 0.2318,
0.3108

71.7643, 0.2318,
0.3108

69.3211, 0.2252,
0.3076

74.6704, 0.2404,
0.3140

67.2862, 0.2205,
0.3044

78.0717, 0.2508,
0.3171

65.6049, 0.2176,
0.3013

82.0064, 0.2629,
0.3201

64.7576, 0.2165,
0.2995

86.5070, 0.2763,
0.3229

■ 91.6031, 0.2908,
0.3256

■ 97.3223, 0.3060,
0.3280

■ 99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



71.7643, 0.2580, 0.3583



71.7643, 0.2318, 0.3108



71.7643, 0.2258, 0.2737

Triad

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



71.7643, 0.2318, 0.3108



71.7643, 0.3201, 0.2708



71.7643, 0.3871, 0.4046

Complementary

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



71.7643, 0.2318, 0.3108



32.3209, 0.5125, 0.3431

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.



71.7643, 0.4076, 0.3746



71.7643, 0.2318, 0.3108



71.7643, 0.3677, 0.3001

Square

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



71.7643, 0.2318, 0.3108



71.7643, 0.2738, 0.2544



71.7643, 0.4007, 0.3369



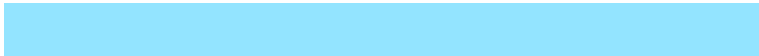
71.7643, 0.3472, 0.4158

Rectangle

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



71.7643, 0.2318, 0.3108



71.7643, 0.2334, 0.2589



71.7643, 0.4007, 0.3369



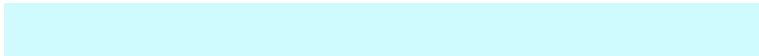
71.7643, 0.3966, 0.3961

Sweetspot

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



71.7670, 0.2318, 0.3108



89.1504, 0.2838, 0.3243



74.7427, 0.2983, 0.5234



18.7741, 0.2797, 0.3236



0.0000, 0.0000, 0.0000



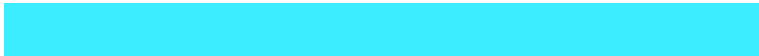
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7670, 0.2318, 0.3108



68.7486, 0.2237, 0.3067



34.3598, 0.2066, 0.2038



20.1810, 0.2980, 0.3268



33.9623, 0.2167, 0.3001



3.3863, 0.2177, 0.3036

Inverse Universe

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



35.0355, 0.3340, 0.1928



30.4706, 0.3386, 0.1776



57.4107, 0.4472, 0.4221



18.2701, 0.3152, 0.3077



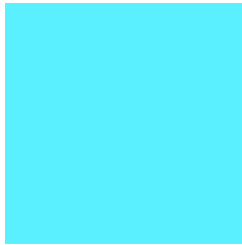
14.1565, 0.3454, 0.1676



1.3864, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 71.7643, 0.2318, 0.3108 looks on a white background.

Color Contrast Check

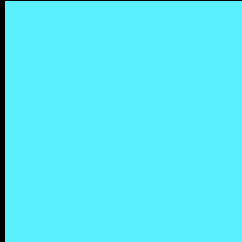
Large Text (above 18pt) WCAG AA × Fail

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 71.7643, 0.2318, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

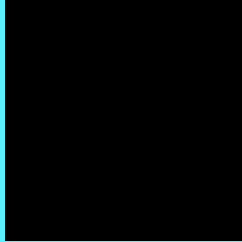
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7643, 0.2318, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 71.7643, 0.2318, 0.3108.

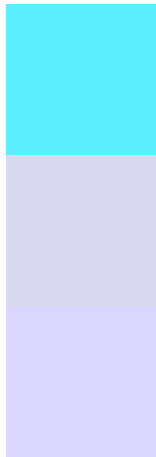


This preview shows how white text looks on a background with the Yxy color 71.7643, 0.2318, 0.3108.

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

71.7643, 0.2318, 0.3108

Protanopia

70.5159, 0.2971, 0.3042

Deuteranopia

70.3732, 0.2897, 0.2859



Tritanopia

71.3658, 0.2381, 0.3075

Trichromacy



Original Color

71.7643, 0.2318, 0.3108



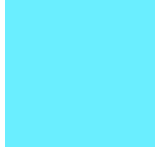
Protanomaly

69.1009, 0.2666, 0.3060



Deuteranomaly

68.7660, 0.2617, 0.2928



Tritanomaly

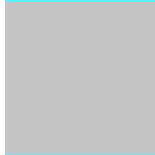
71.4332, 0.2357, 0.3085

Monochromacy



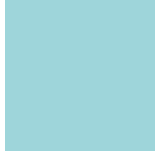
Original Color

71.7643, 0.2318, 0.3108



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.9196, 0.2722, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7643, 0.2318, 0.3108 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(91, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 240, 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(91, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7643, 0.2318, 0.3108 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(91, 240, 255) }
```

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

```
.border{ border-color:rgb(91, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7643, 0.2318, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 240, 255) }
```

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

```
.background{ background-color: rgb(91, 240,  
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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