

Converting Colors

$Y_{xy}(79.0752, 0.2130, 0.2549)$

Have a look what the booklet for
Yxy(79.0752, 0.2130, 0.2549)
contains.

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Color

Yxy(74.6985, 0.2330, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	5AF5FF
RGB	90, 245, 255
RGB Percent	35%, 96%, 100%
CMY	0.6466, 0.0392, 0.0002
CMYK	0.65, 0.04, 0.00, 0.00
HSL	184°, 100%, 68%
HSV	184°, 65%, 100%
XYZ	54.9219, 74.6985, 106.0959
YIQ	199.7950, -95.5900, -29.7500

Conversions

Conversions Part 2

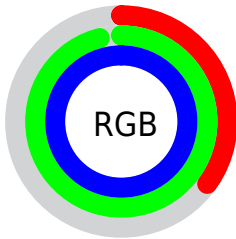
Format	Color
R_{YB}	90, 170, 255
Decimal	5961215
CIE _{Lab}	89.25, -37.21, -16.81
CIE _{LCh}	89, 40.832, 204.311
Yxy	74.6985, 0.2330, 0.3169
Android (android.graphics.Color)	4284151295 (0xFF5AF5FF)
YUV	199.7950, 27.2161, -96.2902
Hunter-Lab	86.4283, -37.8195, -12.2822

Details

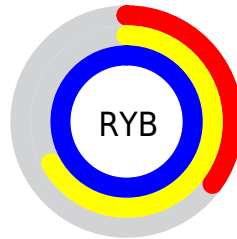
The Yxy color **74.6985, 0.2330, 0.3169** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.1238, 0.5181, 0.3384**, and the grayscale version is **57.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **40.0437, 0.2203, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **72.7041, 0.2268, 0.3148**, and if you desaturate by 10%, it is **77.1446, 0.2411, 0.3190**.

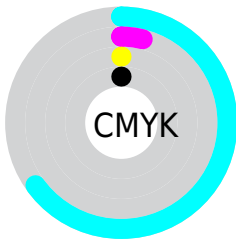
Distribution



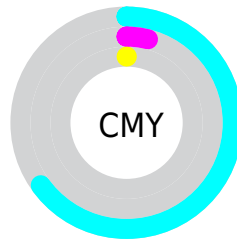
- Red (35%)
- Green (96%)
- Blue (100%)



- Red (35%)
- Yellow (67%)
- Blue (100%)



- Cyan (65%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (65%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6985, 0.2330, 0.3169 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 74.6985, 0.2330, 0.3169 by changing the saturation by 10% instead.


 74.6985, 0.2330,
0.3169

 74.6985, 0.2330,
0.3169


476.8806, 0.2686,
0.3236

 55.3659, 0.2252,
0.3151


 125.8855, 0.2451,
0.3194

 39.6948, 0.2158,
0.3128


 158.5087, 0.2498,
0.3204

 27.3006, 0.2042,
0.3097


 196.3309, 0.2540,
0.3211

 17.7991, 0.1896,
0.3054

239.7365, 0.2576,
0.3218

 10.8059, 0.1707,
0.2991

289.1098, 0.2608,
0.3223

 5.9365, 0.1456,
0.2891

344.8354, 0.2637,

 2.8065, 0.1114,

0.3228

0.2722

407.2975, 0.2663,
0.3232

■ 1.0316, 0.0159,
0.2523

■ 0.0000, 0.0000,
0.0000

■ 74.6985, 0.2330,
0.3169

■ 74.6985, 0.2330,
0.3169

■ 72.7041, 0.2268,
0.3148

■ 77.1446, 0.2411,
0.3190

■ 71.1062, 0.2226,
0.3128

■ 80.0745, 0.2511,
0.3210

■ 69.8498, 0.2202,
0.3107

■ 83.5267, 0.2628,
0.3230

■ 69.2741, 0.2194,
0.3097

■ 87.5336, 0.2760,
0.3249

■ 92.1249, 0.2903,
0.3266

■ 97.3283, 0.3055,
0.3283

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



74.6985, 0.2623, 0.3656



74.6985, 0.2330, 0.3169



74.6985, 0.2240, 0.2770

Triad

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



74.6985, 0.2330, 0.3169



74.6985, 0.3131, 0.2666



74.6985, 0.3928, 0.4024

Complementary

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



74.6985, 0.2330, 0.3169



31.1238, 0.5181, 0.3384

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.



74.6985, 0.4101, 0.3700



74.6985, 0.2330, 0.3169



74.6985, 0.3624, 0.2947

Square

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



74.6985, 0.2330, 0.3169



74.6985, 0.2673, 0.2522



74.6985, 0.3990, 0.3314



74.6985, 0.3543, 0.4174

Rectangle

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



74.6985, 0.2330, 0.3169



74.6985, 0.2297, 0.2602



74.6985, 0.3990, 0.3314



74.6985, 0.4014, 0.3929

Sweetspot

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



74.7013, 0.2330, 0.3169



90.0868, 0.2839, 0.3259



74.5631, 0.3002, 0.5304



19.0040, 0.2799, 0.3254



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.



74.7013, 0.2330, 0.3169



72.1529, 0.2252, 0.3141



36.0563, 0.2078, 0.2105



20.2823, 0.2980, 0.3275



36.2911, 0.2195, 0.3100



3.5883, 0.2201, 0.3123

Inverse Universe

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



35.1785, 0.3291, 0.1886



30.5679, 0.3324, 0.1727



54.9529, 0.4523, 0.4173



18.2803, 0.3147, 0.3070



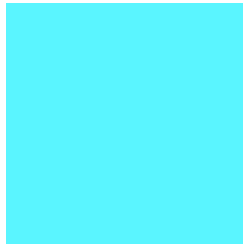
14.3916, 0.3367, 0.1629



1.4068, 0.3347, 0.1618

Previews

White Background



This preview shows how the Yxy color 74.6985, 0.2330, 0.3169 looks on a white background.

Color Contrast Check

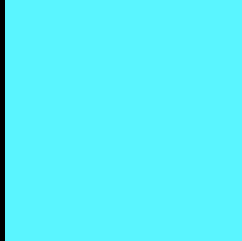
Large Text (above 18pt) WCAG AA × Fail

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 74.6985, 0.2330, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

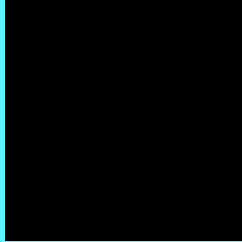
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.6985, 0.2330, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 74.6985, 0.2330, 0.3169.

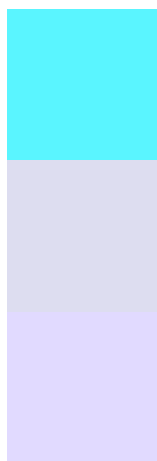


This preview shows how white text looks on a background with the Yxy color 74.6985, 0.2330, 0.3169.

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

74.6985, 0.2330, 0.3169

Protanopia

73.3763, 0.3005, 0.3088

Deuteranopia

73.3704, 0.2939, 0.2907



Tritanopia

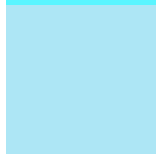
74.1872, 0.2471, 0.3103

Trichromacy



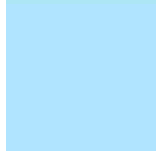
Original Color

74.6985, 0.2330, 0.3169



Protanomaly

72.0704, 0.2683, 0.3118



Deuteranomaly

71.9369, 0.2646, 0.2988



Tritanomaly

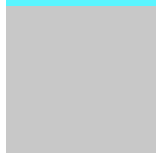
74.0525, 0.2409, 0.3124

Monochromacy



Original Color

74.6985, 0.2330, 0.3169



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

61.7526, 0.2727, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6985, 0.2330, 0.3169 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(90, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 245, 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(90, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.6985, 0.2330, 0.3169 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(90, 245, 255) }
```

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

```
.border{ border-color:rgb(90, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6985, 0.2330, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 245, 255) }
```

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

```
.background{ background-color: rgb(90, 245,  
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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