

Converting Colors

$Yxy(71.9429, 0.2467, 0.3288)$

Have a look what the booklet for
Yxy(71.9429, 0.2467, 0.3288)
contains.

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Color

Yxy(71.8166, 0.2469, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	76EFEF
RGB	118, 239, 239
RGB Percent	46%, 94%, 94%
CMY	0.5368, 0.0628, 0.0628
CMYK	0.51, 0.00, 0.00, 0.06
HSL	180°, 79%, 70%
HSV	180°, 51%, 94%
XYZ	53.9280, 71.8166, 92.6757
YIQ	202.8210, -72.1160, -25.6520

Conversions

Conversions Part 2

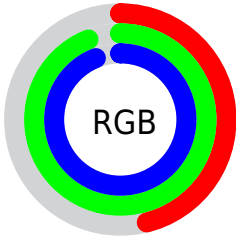
Format	Color
R_{YB}	118, 179, 239
Decimal	7794671
CIE _{Lab}	87.88, -33.83, -10.44
CIE _{LCh}	88, 35.401, 197.144
Yxy	71.8166, 0.2469, 0.3288
Android (android.graphics.Color)	4285984751 (0xFF76EFEF)
YUV	202.8210, 17.8362, -74.3880
Hunter-Lab	84.7447, -34.7132, -5.5175

Details

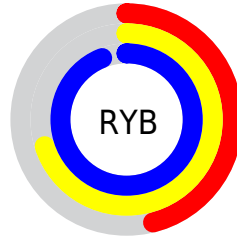
The Yxy color **71.8166, 0.2469, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **32.6454, 0.4578, 0.3294**, and the grayscale version is **59.5414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **37.9897, 0.2323, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **70.3505, 0.2387, 0.3288**, and if you desaturate by 10%, it is **73.7122, 0.2570, 0.3288**.

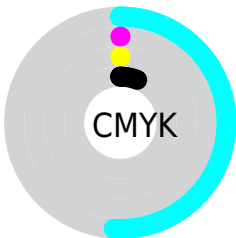
Distribution



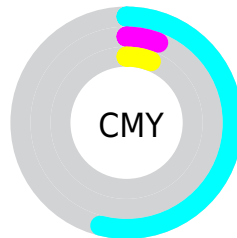
- Red (46%)
- Green (94%)
- Blue (94%)



- Red (46%)
- Yellow (70%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)




- Cyan (54%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8166, 0.2469, 0.3288 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 71.8166, 0.2469, 0.3288 by changing the saturation by 10% instead.


 71.8166, 0.2469,
0.3288

 71.8166, 0.2469,
0.3288


466.9030, 0.2768,
0.3296

 53.0089, 0.2402,
0.3284

 121.7957, 0.2571,
0.3292

 37.8099, 0.2321,
0.3279


 153.7360, 0.2612,
0.3294

 25.8351, 0.2219,
0.3271


 190.8225, 0.2646,
0.3294

 16.7004, 0.2089,
0.3257

233.4396, 0.2677,
0.3295

 10.0211, 0.1917,
0.3235

281.9719, 0.2704,
0.3296

 5.4129, 0.1681,
0.3194

336.8036, 0.2727,

 2.4915, 0.1341,

0.3296

0.3111

398.3192, 0.2749,
0.3296

0.8724, 0.0012,
0.3176

0.0000, 0.0000,
0.0000

71.8166, 0.2469,
0.3288

71.8166, 0.2469,
0.3288

70.3505, 0.2387,
0.3288

73.7122, 0.2570,
0.3288

69.2729, 0.2325,
0.3288


76.0582, 0.2687,
0.3289

68.5492, 0.2282,
0.3287

78.8840, 0.2820,
0.3289


68.1348, 0.2257,
0.3287

82.2143, 0.2965,
0.3290


 67.9579, 0.2247,
0.3287

 86.0718, 0.3118,
0.3290

 89.2220, 0.3234,
0.3290

 89.2224, 0.3234,
0.3290

 89.2227, 0.3234,
0.3290

 89.2231, 0.3234,
0.3290

Harmonies

Analogous

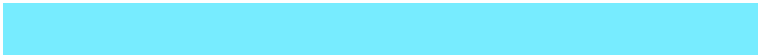
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8166, 0.2769, 0.3706



71.8166, 0.2469, 0.3288



71.8166, 0.2341, 0.2908

Triad

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



71.8166, 0.2469, 0.3288



71.8166, 0.3029, 0.2692



71.8166, 0.3890, 0.3884

Complementary

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



71.8166, 0.2469, 0.3288



32.6454, 0.4578, 0.3294

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.



71.8166, 0.3982, 0.3580



71.8166, 0.2469, 0.3288



71.8166, 0.3466, 0.2918

Square

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



71.8166, 0.2469, 0.3288



71.8166, 0.2647, 0.2599



71.8166, 0.3825, 0.3234



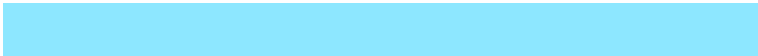
71.8166, 0.3590, 0.4054

Rectangle

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



71.8166, 0.2469, 0.3288



71.8166, 0.2362, 0.2729



71.8166, 0.3825, 0.3234



71.8166, 0.3948, 0.3793

Sweetspot

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



71.8194, 0.2469, 0.3288



93.4528, 0.2899, 0.3289



66.9003, 0.3051, 0.4904



19.8295, 0.2868, 0.3289



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.



71.8194, 0.2469, 0.3288



81.4154, 0.2383, 0.3288



42.1534, 0.2314, 0.2495



17.9289, 0.2981, 0.3290



37.5569, 0.2247, 0.3287



3.1244, 0.2247, 0.3287

Inverse Universe

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



37.5653, 0.3184, 0.2074



37.4889, 0.3194, 0.1877



51.7227, 0.4195, 0.3952



16.0314, 0.3138, 0.3057



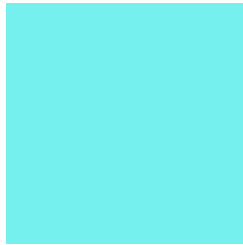
13.5847, 0.3209, 0.1542



1.1301, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 71.8166, 0.2469, 0.3288 looks on a white background.

Color Contrast Check

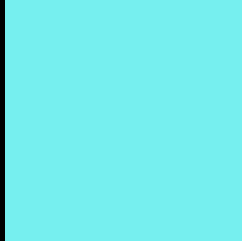
Large Text (above 18pt) WCAG AA × Fail

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 71.8166, 0.2469, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

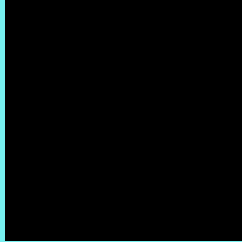
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8166, 0.2469, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 71.8166, 0.2469, 0.3288.

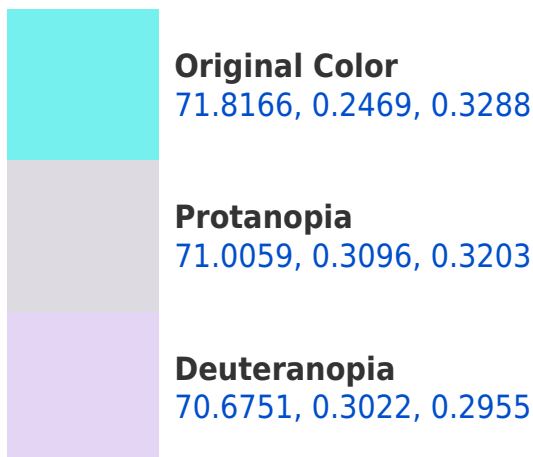


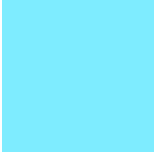
This preview shows how white text looks on a background with the Yxy color 71.8166, 0.2469, 0.3288.

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





Tritanopia

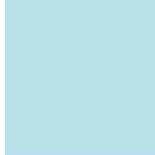
71.6465, 0.2424, 0.3065

Trichromacy



Original Color

71.8166, 0.2469, 0.3288



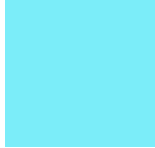
Protanomaly

70.3526, 0.2820, 0.3232



Deuteranomaly

69.4050, 0.2773, 0.3053



Tritanomaly

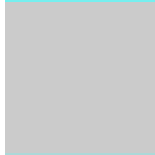
71.6189, 0.2440, 0.3145

Monochromacy



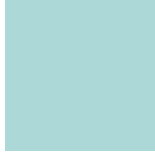
Original Color

71.8166, 0.2469, 0.3288



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.8403, 0.2825, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8166, 0.2469, 0.3288 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(118, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(118, 239, 239)  
}
```

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(118, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 239, 239) }
```

Border

The CSS property to change the border of an element to Yxy 71.8166, 0.2469, 0.3288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

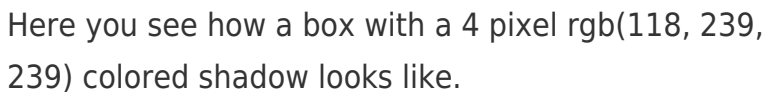
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 239, 239) }
```

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

```
.border{ border-color:rgb(118, 239, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 239, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 239, 239); box-shadow:4px 4px 4px 4px rgb(118, 239, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8166, 0.2469, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 239, 239) }
```

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

```
.background{ background-color: rgb(118,  
239, 239) }
```

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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