

Converting Colors

$Y_{xy}(79.4897, 0.2040, 0.2372)$

Have a look what the booklet for
Yxy(79.4897, 0.2040, 0.2372)
contains.

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Color

Yxy(73.1866, 0.2278, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	45F4FF
RGB	69, 244, 255
RGB Percent	27%, 96%, 100%
CMY	0.7302, 0.0431, 0.0000
CMYK	0.73, 0.04, 0.00, 0.00
HSL	184°, 100%, 63%
HSV	184°, 73%, 100%
XYZ	52.8428, 73.1866, 105.9408
YIQ	192.9290, -107.8310, -33.6790

Conversions

Conversions Part 2

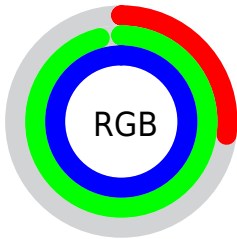
Format	Color
RYB	69, 159, 255
Decimal	4584703
CIELab	88.54, -39.45, -17.95
CIElCh	89, 43.343, 204.460
Yxy	73.1866, 0.2278, 0.3155
Android (android.graphics.Color)	4282774783 (0xFF45F4FF)
YUV	192.9290, 30.6010, -108.6857
Hunter-Lab	85.5492, -39.4535, -13.5380

Details

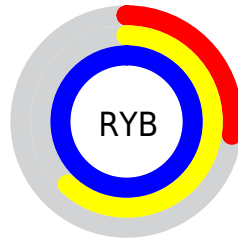
The Yxy color **73.1866, 0.2278, 0.3155** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.3910, 0.5571, 0.3379**, and the grayscale version is **53.1184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.5505, 0.2233, 0.3135**, and if you desaturate by 10%, it is **75.2354, 0.2343, 0.3175**.

Distribution



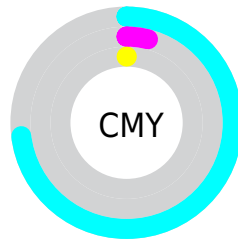
- Red (27%)
- Green (96%)
- Blue (100%)



- Red (27%)
- Yellow (62%)
- Blue (100%)



- Cyan (73%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1866, 0.2278, 0.3155 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 73.1866, 0.2278, 0.3155 by changing the saturation by 10% instead.


 73.1866, 0.2278,
0.3155

 73.1866, 0.2278,
0.3155


471.6613, 0.2657,
0.3230

 54.1286, 0.2195,
0.3135


 123.7421, 0.2406,
0.3183

 38.7044, 0.2095,
0.3109


 156.0083, 0.2457,
0.3194

 26.5299, 0.1972,
0.3074


 193.4460, 0.2501,
0.3203

 17.2205, 0.1817,
0.3025

 236.4397, 0.2540,
0.3210

 10.3918, 0.1617,
0.2953

285.3736, 0.2575,
0.3216

 5.6595, 0.1354,
0.2840


340.6323, 0.2605,

 2.6392, 0.0999,


0.3222


0.2647


402.6000, 0.2632,
0.3226


 0.9464, 0.0000,
0.2412


 0.0000, 0.0000,
0.0000

 73.1866, 0.2278,
0.3155


 73.1866, 0.2278,
0.3155

 71.5505, 0.2233,
0.3135


 75.2354, 0.2343,
0.3175

 70.2634, 0.2206,
0.3115

 77.7344, 0.2427,
0.3195

 69.5169, 0.2195,
0.3101

 80.7258, 0.2530,
0.3215

 84.2448, 0.2649,
0.3234

88.3233, 0.2782,
0.3253

92.9907, 0.2927,
0.3270

98.2742, 0.3080,
0.3286

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



73.1866, 0.2586, 0.3680



73.1866, 0.2278, 0.3155



73.1866, 0.2185, 0.2731

Triad

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



73.1866, 0.2278, 0.3155



73.1866, 0.3133, 0.2629



73.1866, 0.3978, 0.4071

Complementary

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



73.1866, 0.2278, 0.3155



27.3910, 0.5571, 0.3379

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.



73.1866, 0.4167, 0.3724



73.1866, 0.2278, 0.3155



73.1866, 0.3660, 0.2927

Square

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



73.1866, 0.2278, 0.3155



73.1866, 0.2645, 0.2475



73.1866, 0.4052, 0.3314



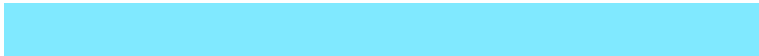
73.1866, 0.3565, 0.4237

Rectangle

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



73.1866, 0.2278, 0.3155



73.1866, 0.2246, 0.2555



73.1866, 0.4052, 0.3314



73.1866, 0.4071, 0.3969

Sweetspot

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



73.1893, 0.2278, 0.3155



88.7767, 0.2797, 0.3254



73.3246, 0.2994, 0.5547



18.7495, 0.2759, 0.3250



0.0000, 0.0000, 0.0000



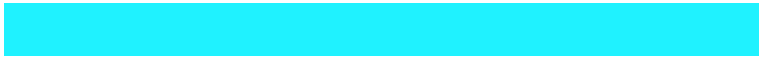
21.4041, 0.3127, 0.3290

Same Dimension

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



73.1893, 0.2278, 0.3155



70.8742, 0.2217, 0.3125



31.1261, 0.1965, 0.1923



20.2871, 0.2980, 0.3275



36.4058, 0.2196, 0.3105



3.5982, 0.2202, 0.3127

Inverse Universe

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



32.0236, 0.3309, 0.1776



28.6164, 0.3343, 0.1658



50.8904, 0.4734, 0.4233



18.2808, 0.3147, 0.3069



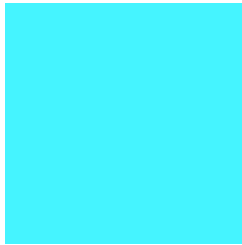
14.4032, 0.3363, 0.1626



1.4078, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 73.1866, 0.2278, 0.3155 looks on a white background.

Color Contrast Check

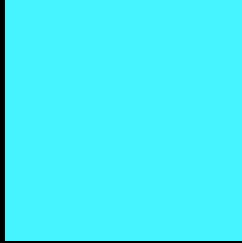
Large Text (above 18pt) WCAG AA × Fail

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 73.1866, 0.2278, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

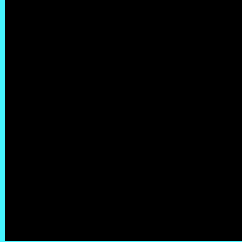
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1866, 0.2278, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 73.1866, 0.2278, 0.3155.

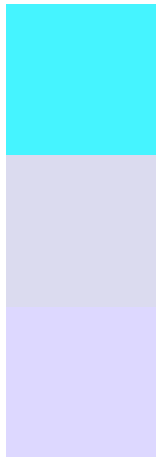


This preview shows how white text looks on a background with the Yxy color 73.1866, 0.2278, 0.3155.

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

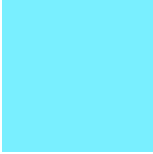
73.1866, 0.2278, 0.3155

Protanopia

71.9551, 0.2998, 0.3076

Deuteranopia

71.7039, 0.2911, 0.2882



Tritanopia

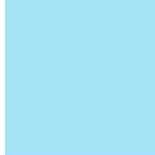
73.0180, 0.2412, 0.3100

Trichromacy



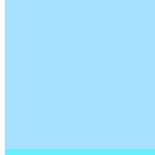
Original Color

73.1866, 0.2278, 0.3155



Protanomaly

69.9719, 0.2631, 0.3093



Deuteranomaly

69.7197, 0.2589, 0.2960



Tritanomaly

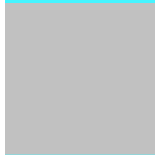
72.9554, 0.2352, 0.3121

Monochromacy



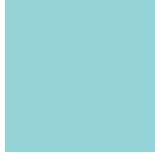
Original Color

73.1866, 0.2278, 0.3155



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

58.3407, 0.2672, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1866, 0.2278, 0.3155 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(69, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 244, 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(69, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.1866, 0.2278, 0.3155 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(69, 244, 255) }
```

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

```
.border{ border-color:rgb(69, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1866, 0.2278, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 244, 255) }
```

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

```
.background{ background-color: rgb(69, 244,  
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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