

Converting Colors

$Y_{xy}(79.7172, 0.2348, 0.3268)$

Have a look what the booklet for
Yxy(79.7172, 0.2348, 0.3268)
contains.

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Color

Yxy(79.5453, 0.2347, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	58FDFF
RGB	88, 253, 255
RGB Percent	35%, 99%, 100%
CMY	0.6551, 0.0078, 0.0000
CMYK	0.66, 0.01, 0.00, 0.00
HSL	181°, 100%, 67%
HSV	181°, 66%, 100%
XYZ	57.1976, 79.5453, 106.9621
YIQ	203.8930, -98.9820, -34.3580

Conversions

Conversions Part 2

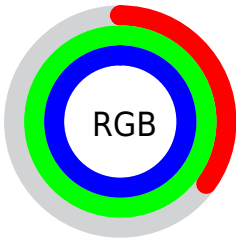
Format	Color
RYB	88, 171, 255
Decimal	5832191
CIELab	91.48, -41.14, -13.51
CIElCh	91, 43.304, 198.173
Yxy	79.5453, 0.2347, 0.3264
Android (android.graphics.Color)	4284022271 (0xFF58FDFF)
YUV	203.8930, 25.1958, -101.6382
Hunter-Lab	89.1882, -41.6049, -8.6739

Details

The Yxy color **79.5453, 0.2347, 0.3264** 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 **29.2655, 0.5282, 0.3313**, and the grayscale version is **60.1886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **78.3217, 0.2293, 0.3260**, and if you desaturate by 10%, it is **81.2075, 0.2421, 0.3268**.

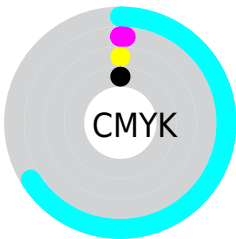
Distribution



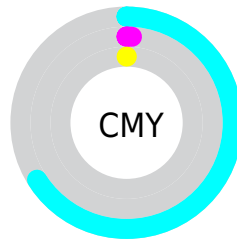
- Red (35%)
- Green (99%)
- Blue (100%)



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



- Cyan (66%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5453, 0.2347, 0.3264 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 79.5453, 0.2347, 0.3264 by changing the saturation by 10% instead.

 79.5453, 0.2347,
0.3264

 79.5453, 0.2347,
0.3264


493.3991, 0.2692,
0.3286

 59.3443, 0.2272,
0.3257


 132.7263, 0.2464,
0.3274

 42.8903, 0.2182,
0.3246


 166.4750, 0.2510,
0.3277

 29.7991, 0.2071,
0.3232


 205.5083, 0.2550,
0.3279

 19.6861, 0.1931,
0.3210

250.2108, 0.2585,
0.3281

 12.1671, 0.1751,
0.3176

300.9667, 0.2617,
0.3283

 6.8576, 0.1512,
0.3119


358.1605, 0.2645,


 3.3732, 0.1186,


0.3284


0.3014


422.1765, 0.2670,
0.3286


 1.3295, 0.0442,
0.2887


 0.1639, 0.0000,
0.1265


 79.5453, 0.2347,
0.3264

 79.5453, 0.2347,
0.3264


 78.3217, 0.2293,
0.3260

 81.2075, 0.2421,
0.3268


 77.4837, 0.2259,
0.3256


 83.3440, 0.2513,
0.3273


 76.9744, 0.2241,
0.3252

 85.9926, 0.2624,
0.3277

 76.8144, 0.2236,
0.3251

 89.1859, 0.2751,
0.3281

 92.9538, 0.2891,
0.3285

 97.3241, 0.3041,
0.3288

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.



79.5453, 0.2687, 0.3770



79.5453, 0.2347, 0.3264



79.5453, 0.2210, 0.2820

Triad

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



79.5453, 0.2347, 0.3264



79.5453, 0.3026, 0.2601



79.5453, 0.4015, 0.3991

Complementary

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



79.5453, 0.2347, 0.3264



29.2655, 0.5282, 0.3313

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.



79.5453, 0.4139, 0.3633



79.5453, 0.2347, 0.3264



79.5453, 0.3543, 0.2866

Square

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



79.5453, 0.2347, 0.3264



79.5453, 0.2575, 0.2486



79.5453, 0.3965, 0.3231



79.5453, 0.3651, 0.4197

Rectangle

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



79.5453, 0.2347, 0.3264



79.5453, 0.2239, 0.2620



79.5453, 0.3965, 0.3231



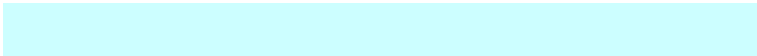
79.5453, 0.4088, 0.3882

Sweetspot

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



79.5470, 0.2347, 0.3264



91.1898, 0.2827, 0.3283



74.2957, 0.3027, 0.5415



19.2949, 0.2788, 0.3282



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.



79.5470, 0.2347, 0.3264



77.9881, 0.2279, 0.3259



38.5966, 0.2093, 0.2200



20.4421, 0.2980, 0.3287



40.1542, 0.2237, 0.3251



3.9212, 0.2238, 0.3256

Inverse Universe

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



35.3227, 0.3215, 0.1819



30.9228, 0.3228, 0.1658



51.2683, 0.4612, 0.4102



18.2964, 0.3140, 0.3059



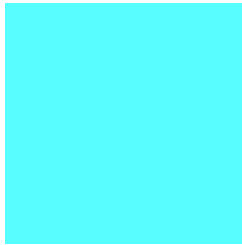
14.7816, 0.3239, 0.1558



1.4404, 0.3236, 0.1556

Previews

White Background



This preview shows how the Yxy color 79.5453, 0.2347, 0.3264 looks on a white background.

Color Contrast Check

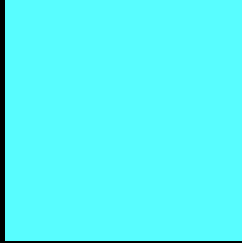
Large Text (above 18pt) WCAG AA × Fail

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 79.5453, 0.2347, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

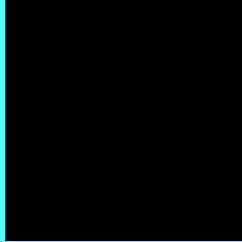
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

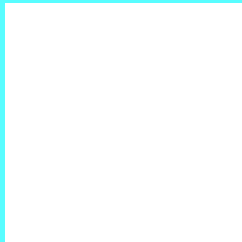
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.5453, 0.2347, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 79.5453, 0.2347, 0.3264.

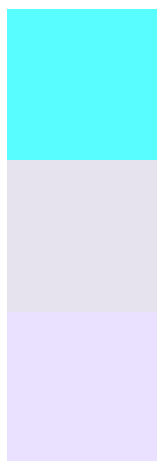


This preview shows how white text looks on a background with the Yxy color 79.5453, 0.2347, 0.3264.

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

79.5453, 0.2347, 0.3264

Protanopia

77.9932, 0.3071, 0.3165

Deuteranopia

78.0237, 0.2999, 0.2976



Tritanopia

78.7236, 0.2609, 0.3144

Trichromacy



Original Color

79.5453, 0.2347, 0.3264



Protanomaly

76.0485, 0.2718, 0.3188



Deuteranomaly

76.4604, 0.2682, 0.3069



Tritanomaly

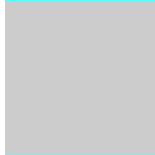
78.4499, 0.2490, 0.3185

Monochromacy



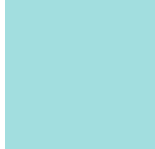
Original Color

79.5453, 0.2347, 0.3264



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.2516, 0.2729, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5453, 0.2347, 0.3264 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(88, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(88, 253, 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(88, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.5453, 0.2347, 0.3264 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(88, 253, 255) }
```

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

```
.border{ border-color:rgb(88, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(88, 253,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 79.5453, 0.2347, 0.3264$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 253, 255) }
```

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

```
.background{ background-color: rgb(88, 253,  
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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