

Converting Colors

$Y_{xy}(79.7681, 0.2358, 0.3388)$

Have a look what the booklet for
Yxy(79.7681, 0.2358, 0.3388)
contains.

Yxy(79.8132, 0.2357, 0.3383)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.8132, 0.2357, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFF7
RGB	77, 255, 247
RGB Percent	30%, 100%, 97%
CMY	0.6984, 0.0000, 0.0312
CMYK	0.70, 0.00, 0.03, 0.00
HSL	177°, 100%, 65%
HSV	177°, 70%, 100%
XYZ	55.6074, 79.8132, 100.5038
YIQ	200.8660, -103.5200, -40.2240

Conversions

Conversions Part 2

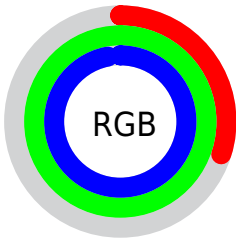
Format	Color
RYB	77, 168, 255
Decimal	5111799
CIELab	91.60, -45.61, -9.21
CIELCh	92, 46.534, 191.419
Yxy	79.8132, 0.2357, 0.3383
Android (android.graphics.Color)	4283301879 (0xFF4DFFF7)
YUV	200.8660, 22.7441, -108.6305
Hunter-Lab	89.3382, -45.2370, -4.1633

Details

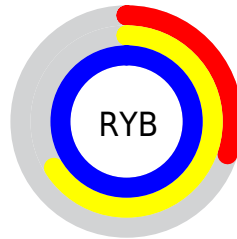
The Yxy color **79.8132, 0.2357, 0.3383** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.2069, 0.5410, 0.3233**, and the grayscale version is **58.2084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **44.1498, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **78.8821, 0.2316, 0.3398**, and if you desaturate by 10%, it is **81.1567, 0.2418, 0.3368**.

Distribution



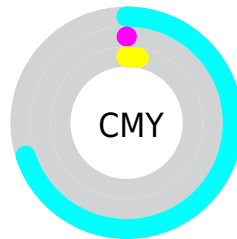
- Red (30%)
- Green (100%)
- Blue (97%)



- Red (30%)
- Yellow (66%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8132, 0.2357, 0.3383 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 79.8132, 0.2357, 0.3383 by changing the saturation by 10% instead.

 79.8132, 0.2357,
0.3383


 79.8132, 0.2357,
0.3383


494.3031, 0.2699,
0.3350


 59.5646, 0.2282,
0.3388


 133.1031, 0.2473,
0.3373

 43.0678, 0.2192,
0.3394


 166.9132, 0.2519,
0.3369

 29.9383, 0.2081,
0.3399


 206.0126, 0.2559,
0.3365

 19.7918, 0.1941,
0.3403

 250.7857, 0.2594,
0.3361

 12.2438, 0.1760,
0.3404

301.6169, 0.2625,
0.3358

 6.9099, 0.1518,
0.3395


358.8906, 0.2652,


 3.4058, 0.1185,


0.3355


422.9912, 0.2677,
0.3352


0.3362


 1.3471, 0.0271,
0.3412


 0.1772, 0.0000,
0.1747


 79.8132, 0.2357,
0.3383


 79.8132, 0.2357,
0.3383


 78.8821, 0.2316,
0.3398


 81.1567, 0.2418,
0.3368


 78.3165, 0.2293,
0.3413


 82.9608, 0.2498,
0.3353

 78.0315, 0.2286,
0.3427

 85.2621, 0.2596,
0.3339

 78.0278, 0.2285,
0.3428

 88.0944, 0.2712,
0.3325

 91.4888, 0.2841,
0.3313

 95.4739, 0.2981,
0.3301

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.



79.8132, 0.2759, 0.3918



79.8132, 0.2357, 0.3383



79.8132, 0.2162, 0.2876

Triad

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



79.8132, 0.2357, 0.3383



79.8132, 0.2897, 0.2513



79.8132, 0.4134, 0.3958

Complementary

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



79.8132, 0.2357, 0.3383



27.2069, 0.5410, 0.3233

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.



79.8132, 0.4200, 0.3555



79.8132, 0.2357, 0.3383



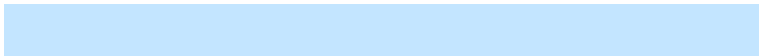
79.8132, 0.3449, 0.2763

Square

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



79.8132, 0.2357, 0.3383



79.8132, 0.2451, 0.2431



79.8132, 0.3943, 0.3131



79.8132, 0.3789, 0.4234

Rectangle

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



79.8132, 0.2357, 0.3383



79.8132, 0.2159, 0.2633



79.8132, 0.3943, 0.3131



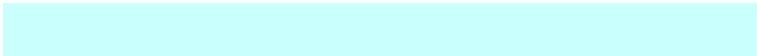
79.8132, 0.4191, 0.3831

Sweetspot

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



79.8116, 0.2357, 0.3383



91.0668, 0.2825, 0.3314



74.0234, 0.3052, 0.5521



19.2830, 0.2789, 0.3318



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.



79.8116, 0.2357, 0.3383



78.6062, 0.2304, 0.3404



39.3965, 0.2067, 0.2237



20.4666, 0.2986, 0.3300



40.7774, 0.2285, 0.3425



3.9745, 0.2280, 0.3408

Inverse Universe

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



27.2069, 0.5410, 0.3233



23.0656, 0.6006, 0.3251



45.9230, 0.4812, 0.4044



18.0002, 0.3287, 0.3280



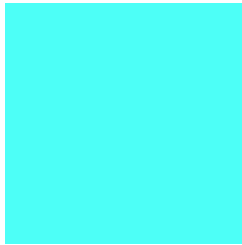
11.1275, 0.6356, 0.3275



1.0879, 0.6250, 0.3217

Previews

White Background



This preview shows how the Yxy color 79.8132, 0.2357, 0.3383 looks on a white background.

Color Contrast Check

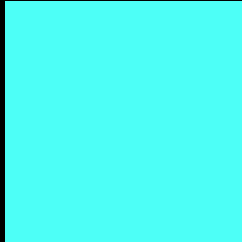
Large Text (above 18pt) WCAG AA × Fail

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 79.8132, 0.2357, 0.3383 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 79.8132, 0.2357, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 79.8132, 0.2357, 0.3383.

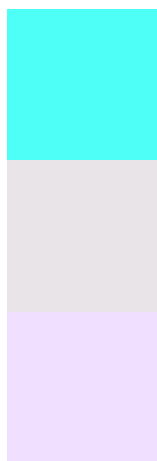


This preview shows how white text looks on a background with the Yxy color 79.8132, 0.2357, 0.3383.

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

79.8132, 0.2357, 0.3383

Protanopia

78.4121, 0.3136, 0.3259

Deuteranopia

78.4564, 0.3046, 0.2979



Tritanopia

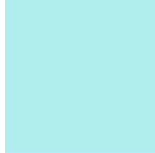
78.8313, 0.2613, 0.3144

Trichromacy



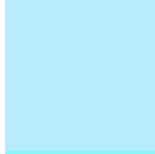
Original Color

79.8132, 0.2357, 0.3383



Protanomaly

76.4936, 0.2751, 0.3300



Deuteranomaly

76.2055, 0.2703, 0.3112



Tritanomaly

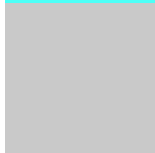
78.6181, 0.2493, 0.3231

Monochromacy



Original Color

79.8132, 0.2357, 0.3383



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8428, 0.2720, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8132, 0.2357, 0.3383 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(77, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 247)  
}
```

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(77, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 79.8132, 0.2357, 0.3383 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(77, 255, 247) }
```

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

```
.border{ border-color:rgb(77, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(77, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8132, 0.2357, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 247) }
```

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

```
.background{ background-color: rgb(77, 255,  
247) }
```

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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