

Converting Colors

$Yxy(80.0117, 0.2493, 0.3299)$

Have a look what the booklet for
Yxy(80.0117, 0.2493, 0.3299)
contains.

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Color

Yxy(79.8779, 0.2493, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	81FAF9
RGB	129, 250, 249
RGB Percent	51%, 98%, 98%
CMY	0.4937, 0.0196, 0.0237
CMYK	0.48, 0.00, 0.00, 0.02
HSL	179°, 92%, 74%
HSV	179°, 48%, 98%
XYZ	60.3441, 79.8779, 101.8322
YIQ	213.7070, -71.7950, -25.9630

Conversions

Conversions Part 2

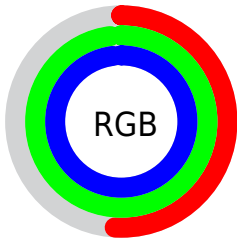
Format	Color
RYB	129, 190, 250
Decimal	8518393
CIELab	91.63, -34.19, -10.02
CIElCh	92, 35.624, 196.332
Yxy	79.8779, 0.2493, 0.3300
Android (android.graphics.Color)	4286708473 (0xFF81FAF9)
YUV	213.7070, 17.3994, -74.2880
Hunter-Lab	89.3744, -35.8851, -4.9922

Details

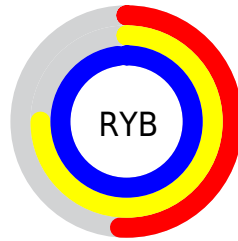
The Yxy color **79.8779, 0.2493, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.6651, 0.4474, 0.3283**, and the grayscale version is **66.9713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **43.1140, 0.2354, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **78.1419, 0.2408, 0.3303**, and if you desaturate by 10%, it is **82.0991, 0.2597, 0.3298**.

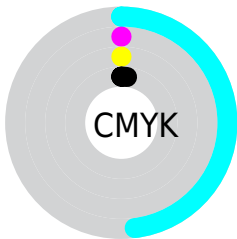
Distribution



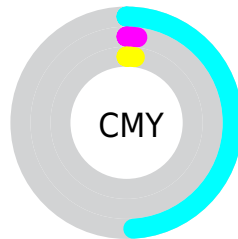
- Red (51%)
- Green (98%)
- Blue (98%)



- Red (51%)
- Yellow (75%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (49%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8779, 0.2493, 0.3300 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 79.8779, 0.2493, 0.3300 by changing the saturation by 10% instead.


 79.8779, 0.2493,
0.3300


 79.8779, 0.2493,
0.3300

494.5213, 0.2776,
0.3302


 59.6179, 0.2431,
0.3298


 133.1941, 0.2589,
0.3302

 43.1107, 0.2356,
0.3295


 167.0190, 0.2627,
0.3302

 29.9720, 0.2263,
0.3290


 206.1343, 0.2660,
0.3303

 19.8173, 0.2145,
0.3281

250.9245, 0.2689,
0.3303

 12.2623, 0.1991,
0.3266

301.7739, 0.2714,
0.3303

 6.9226, 0.1782,
0.3238


359.0669, 0.2737,


 3.4137, 0.1487,


0.3303


423.1879, 0.2757,
0.3302


0.3182


 1.3514, 0.0895,
0.3107


 0.1805, 0.0000,
0.1675


 79.8779, 0.2493,
0.3300


 79.8779, 0.2493,
0.3300


 78.1419, 0.2408,
0.3303


 82.0991, 0.2597,
0.3298

 76.8461, 0.2342,
0.3305


 84.8281, 0.2718,
0.3295


 75.9534, 0.2295,
0.3308


 88.0972, 0.2853,
0.3293


 75.4158, 0.2267,
0.3311


 91.9334, 0.2999,
0.3291

 75.1664, 0.2255,
0.3313


 96.3618, 0.3153,
0.3290

 75.1378, 0.2254,
0.3314

 96.5459, 0.3157,
0.3288

 96.5593, 0.3156,
0.3286

 96.5727, 0.3155,
0.3284

 96.5861, 0.3154,
0.3282

Harmonies

Analogous

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



79.8779, 0.2789, 0.3703



79.8779, 0.2493, 0.3300



79.8779, 0.2363, 0.2928

Triad

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



79.8779, 0.2493, 0.3300



79.8779, 0.3021, 0.2703



79.8779, 0.3874, 0.3862

Complementary

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



79.8779, 0.2493, 0.3300



37.6651, 0.4474, 0.3283

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.



79.8779, 0.3956, 0.3565



79.8779, 0.2493, 0.3300



79.8779, 0.3445, 0.2921

Square

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



79.8779, 0.2493, 0.3300



79.8779, 0.2652, 0.2617



79.8779, 0.3797, 0.3228



79.8779, 0.3588, 0.4030

Rectangle

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



79.8779, 0.2493, 0.3300



79.8779, 0.2380, 0.2751



79.8779, 0.3797, 0.3228



79.8779, 0.3928, 0.3773

Sweetspot

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



79.8810, 0.2493, 0.3300



93.4325, 0.2900, 0.3293



74.7906, 0.3065, 0.4823



19.8246, 0.2870, 0.3293



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.



79.8810, 0.2493, 0.3300



81.7913, 0.2410, 0.3302



49.0842, 0.2351, 0.2560



19.6059, 0.2982, 0.3292



39.8582, 0.2254, 0.3313



3.6924, 0.2253, 0.3310

Inverse Universe

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



37.6651, 0.4474, 0.3283



32.8866, 0.4915, 0.3283



57.6779, 0.4150, 0.3906



17.2276, 0.3293, 0.3288



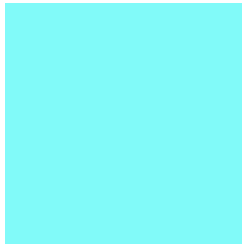
10.7840, 0.6392, 0.3295



0.9996, 0.6370, 0.3283

Previews

White Background



This preview shows how the Yxy color 79.8779, 0.2493, 0.3300 looks on a white background.

Color Contrast Check

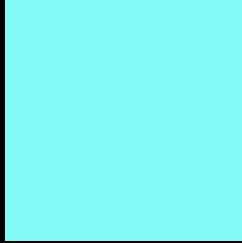
Large Text (above 18pt) WCAG AA × Fail

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 79.8779, 0.2493, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

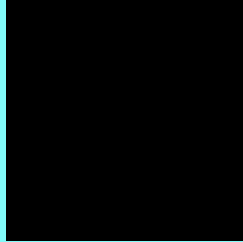
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8779, 0.2493, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 79.8779, 0.2493, 0.3300.

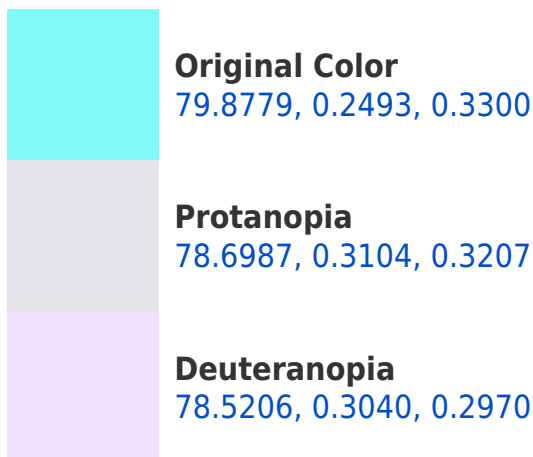


This preview shows how white text looks on a background with the Yxy color 79.8779, 0.2493, 0.3300.

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

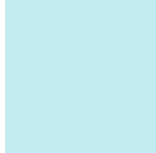
79.2446, 0.2658, 0.3135

Trichromacy



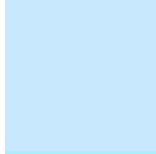
Original Color

79.8779, 0.2493, 0.3300



Protanomaly

77.9439, 0.2837, 0.3234



Deuteranomaly

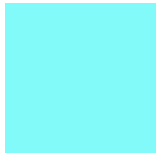
77.6490, 0.2799, 0.3075



Tritanomaly

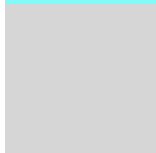
79.0623, 0.2587, 0.3187

Monochromacy



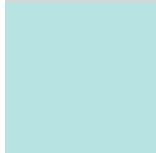
Original Color

79.8779, 0.2493, 0.3300



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.5515, 0.2837, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8779, 0.2493, 0.3300 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(129, 250, 249)` looks like.

```
.text, #text, p{  
    color:rgb(129, 250, 249)  
}
```

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(129, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 250, 249) }
```

Border

The CSS property to change the border of an element to Yxy 79.8779, 0.2493, 0.3300 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(129, 250, 249) }
```

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

```
.border{ border-color:rgb(129, 250, 249) }
```

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

Here you see how a box with a 4 pixel rgb(129, 250, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(129, 250,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8779, 0.2493, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 250, 249) }
```

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

```
.background{ background-color: rgb(129,  
250, 249) }
```

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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