

Converting Colors

$Yxy(82.8963, 0.2391, 0.2777)$

Have a look what the booklet for
Yxy(82.8963, 0.2391, 0.2777)
contains.

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Color

Yxy(79.9038, 0.2559, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	99F6FF
RGB	153, 246, 255
RGB Percent	60%, 96%, 100%
CMY	0.3996, 0.0353, 0.0000
CMYK	0.40, 0.04, 0.00, 0.00
HSL	185°, 100%, 80%
HSV	185°, 40%, 100%
XYZ	64.1587, 79.9038, 106.6554
YIQ	219.2190, -58.3170, -16.9170

Conversions

Conversions Part 2

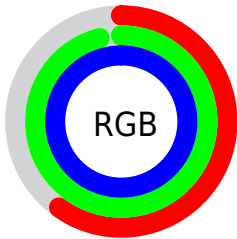
Format	Color
R_{YB}	153, 202, 255
Decimal	10090239
CIE _{Lab}	91.64, -25.37, -13.04
CIE _{LCh}	92, 28.520, 207.203
Yxy	79.9038, 0.2559, 0.3187
Android (android.graphics.Color)	4288280319 (0xFF99F6FF)
YUV	219.2190, 17.6400, -58.0741
Hunter-Lab	89.3889, -28.3126, -8.1703

Details

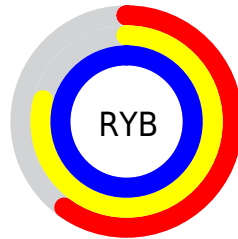
The Yxy color **79.9038, 0.2559, 0.3187** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.4489, 0.4107, 0.3388**, and the grayscale version is **70.9219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **42.9053, 0.2435, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **76.3183, 0.2448, 0.3158**, and if you desaturate by 10%, it is **84.0414, 0.2686, 0.3215**.

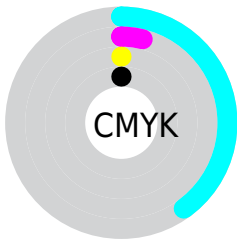
Distribution



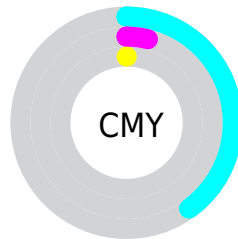
- Red (60%)
- Green (96%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9038, 0.2559, 0.3187 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 79.9038, 0.2559, 0.3187 by changing the saturation by 10% instead.


 79.9038, 0.2559,
0.3187


 79.9038, 0.2559,
0.3187


494.6086, 0.2812,
0.3240

 59.6392, 0.2503,
0.3174

 133.2305, 0.2645,
0.3206

 43.1279, 0.2436,
0.3157


 167.0613, 0.2679,
0.3213

 29.9855, 0.2353,
0.3136


206.1831, 0.2708,
0.3219

 19.8276, 0.2247,
0.3106

250.9800, 0.2734,
0.3225

 12.2698, 0.2108,
0.3064

301.8367, 0.2757,
0.3229

 6.9277, 0.1920,
0.2999

359.1374, 0.2778,

 3.4169, 0.1651,

0.3233

0.2893

423.2666, 0.2796,
0.3237

■ 1.3531, 0.1211,
0.2705

■ 0.1817, 0.0000,
0.1400

■ 79.9038, 0.2559,
0.3187

■ 79.9038, 0.2559,
0.3187

■ 76.3183, 0.2448,
0.3158

■ 84.0414, 0.2686,
0.3215

■ 73.2431, 0.2354,
0.3127

■ 88.7544, 0.2825,
0.3242

■ 70.6426, 0.2280,
0.3096

■ 94.0743, 0.2973,
0.3267

■ 68.4733, 0.2225,
0.3065

100.0000, 0.3127,
0.3290

■ 66.6832, 0.2189,
0.3035

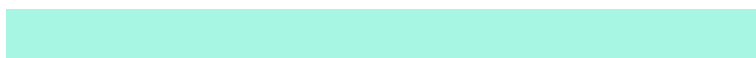
■ 65.1878, 0.2168,
0.3005

■ 65.1815, 0.2168,
0.3005

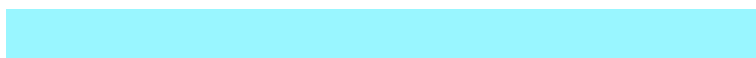
Harmonies

Analogous

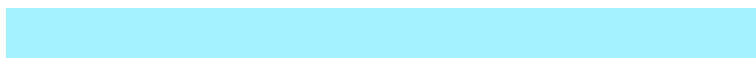
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9038, 0.2757, 0.3508



79.9038, 0.2559, 0.3187



79.9038, 0.2506, 0.2919

Triad

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



79.9038, 0.2559, 0.3187



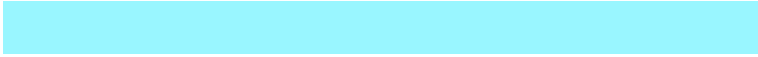
79.9038, 0.3168, 0.2866



79.9038, 0.3661, 0.3817

Complementary

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



79.9038, 0.2559, 0.3187



49.4489, 0.4107, 0.3388

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.



79.9038, 0.3789, 0.3613



79.9038, 0.2559, 0.3187



79.9038, 0.3497, 0.3077

Square

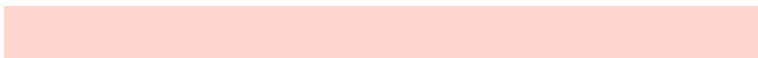
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9038, 0.2559, 0.3187



79.9038, 0.2844, 0.2753



79.9038, 0.3729, 0.3344



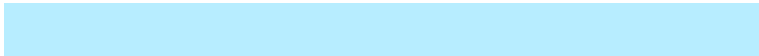
79.9038, 0.3391, 0.3886

Rectangle

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



79.9038, 0.2559, 0.3187



79.9038, 0.2557, 0.2803



79.9038, 0.3729, 0.3344



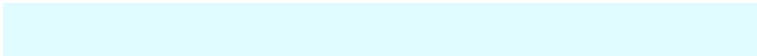
79.9038, 0.3723, 0.3761

Sweetspot

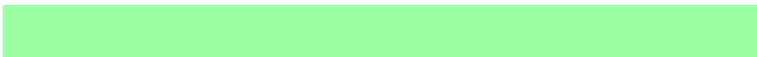
The Sweet Spot groups the original color and five complimentary colors.



79.9063, 0.2559, 0.3187



92.9362, 0.2942, 0.3262



80.8978, 0.3028, 0.4421



19.7394, 0.2923, 0.3259



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.



79.9063, 0.2559, 0.3187



76.9786, 0.2468, 0.3163



53.2875, 0.2464, 0.2582



20.1903, 0.2980, 0.3268



34.1725, 0.2169, 0.3010



3.4046, 0.2179, 0.3044

Inverse Universe

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



50.7323, 0.3248, 0.2378



44.4678, 0.3276, 0.2210



70.9245, 0.3889, 0.3902



18.2710, 0.3152, 0.3076



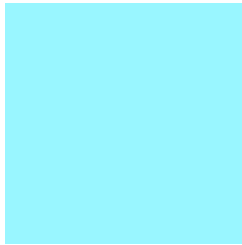
14.1777, 0.3446, 0.1672



1.3882, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 79.9038, 0.2559, 0.3187 looks on a white background.

Color Contrast Check

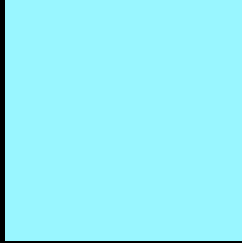
Large Text (above 18pt) WCAG AA × Fail

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 79.9038, 0.2559, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

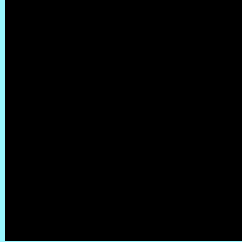
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9038, 0.2559, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 79.9038, 0.2559, 0.3187.

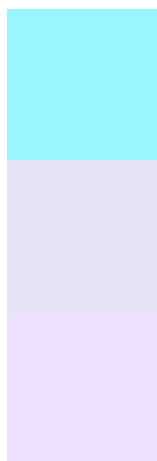


This preview shows how white text looks on a background with the Yxy color 79.9038, 0.2559, 0.3187.

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

79.9038, 0.2559, 0.3187

Protanopia

78.8415, 0.3040, 0.3125

Deuteranopia

79.0750, 0.3019, 0.2988



Tritanopia

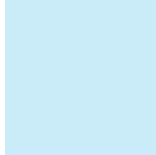
79.3639, 0.2688, 0.3125

Trichromacy



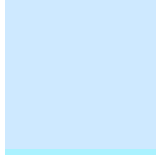
Original Color

79.9038, 0.2559, 0.3187



Protanomaly

78.7505, 0.2840, 0.3150



Deuteranomaly

78.6196, 0.2824, 0.3057



Tritanomaly

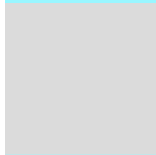
79.3822, 0.2639, 0.3145

Monochromacy



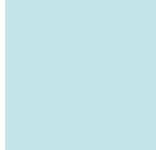
Original Color

79.9038, 0.2559, 0.3187



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.4669, 0.2885, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9038, 0.2559, 0.3187 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(153, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 246, 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(153, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.9038, 0.2559, 0.3187 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(153, 246, 255) }
```

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

```
.border{ border-color:rgb(153, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9038, 0.2559, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 246, 255) }
```

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

```
.background{ background-color: rgb(153,  
246, 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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