

Converting Colors

$Yxy(79.3488, 0.2584, 0.3166)$

Have a look what the booklet for
Yxy(79.3488, 0.2584, 0.3166)
contains.

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Color

Yxy(79.2923, 0.2583, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	9FF4FF
RGB	159, 244, 255
RGB Percent	62%, 96%, 100%
CMY	0.3762, 0.0432, 0.0000
CMYK	0.38, 0.04, 0.00, 0.00
HSL	187°, 100%, 81%
HSV	187°, 38%, 100%
XYZ	64.7115, 79.2923, 106.5248
YIQ	219.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

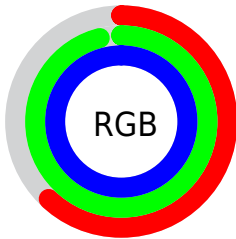
Format	Color
R_{YB}	159, 204, 255
Decimal	10482943
CIE _{Lab}	91.37, -22.92, -13.43
CIE _{LCh}	91, 26.568, 210.367
Yxy	79.2923, 0.2583, 0.3165
Android (android.graphics.Color)	4288673023 (0xFF9FF4FF)
YUV	219.8390, 17.3344, -53.3558
Hunter-Lab	89.0462, -26.1116, -8.5954

Details

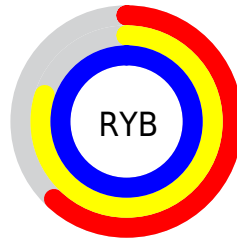
The Yxy color **79.2923, 0.2583, 0.3165** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5438, 0.4015, 0.3409**, and the grayscale version is **71.3675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **42.8684, 0.2467, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **75.2015, 0.2465, 0.3127**, and if you desaturate by 10%, it is **83.9514, 0.2715, 0.3202**.

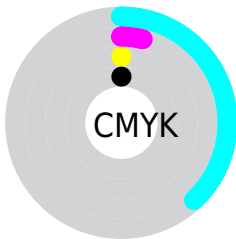
Distribution



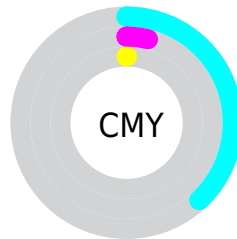
- Red (62%)
- Green (96%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.2923, 0.2583, 0.3165 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 79.2923, 0.2583, 0.3165 by changing the saturation by 10% instead.

 79.2923, 0.2583,
0.3165

 79.2923, 0.2583,
0.3165

492.5446, 0.2826,
0.3227

 59.1362, 0.2530,
0.3150


 132.3703, 0.2666,
0.3187

 42.7227, 0.2465,
0.3131


 166.0609, 0.2698,
0.3196

 29.6676, 0.2384,
0.3106


205.0318, 0.2727,
0.3203

 19.5865, 0.2282,
0.3073

249.6675, 0.2751,
0.3209

 12.0948, 0.2148,
0.3025

300.3521, 0.2773,
0.3215

 6.8083, 0.1965,
0.2955

357.4703, 0.2793,

 3.3425, 0.1703,

0.3219

0.2840

421.4063, 0.2810,
0.3224

■ 1.3130, 0.1278,
0.2636

■ 0.1513, 0.0000,
0.1199

■ 79.2923, 0.2583,
0.3165

■ 79.2923, 0.2583,
0.3165

■ 75.2015, 0.2465,
0.3127

■ 83.9514, 0.2715,
0.3202

■ 71.6418, 0.2364,
0.3087

■ 89.2055, 0.2858,
0.3236

■ 68.5772, 0.2281,
0.3047

■ 95.0843, 0.3009,
0.3268

■ 65.9657, 0.2219,
0.3006

100.0000, 0.3127,
0.3290

■ 63.7575, 0.2175,
0.2966

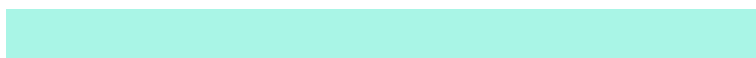
■ 61.8872, 0.2149,
0.2926

■ 61.4692, 0.2144,
0.2917

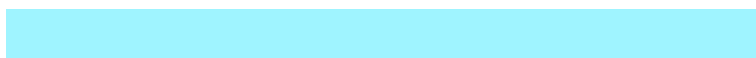
Harmonies

Analogous

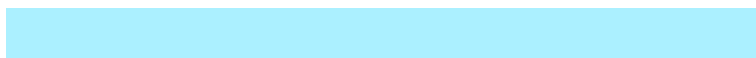
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2923, 0.2756, 0.3463



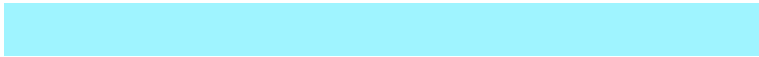
79.2923, 0.2583, 0.3165



79.2923, 0.2548, 0.2923

Triad

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



79.2923, 0.2583, 0.3165



79.2923, 0.3200, 0.2909



79.2923, 0.3605, 0.3797

Complementary

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



79.2923, 0.2583, 0.3165



52.5438, 0.4015, 0.3409

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.



79.2923, 0.3740, 0.3618



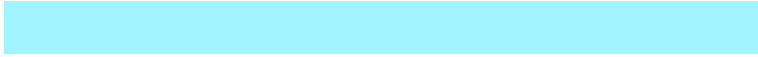
79.2923, 0.2583, 0.3165



79.2923, 0.3501, 0.3116

Square

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



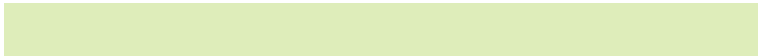
79.2923, 0.2583, 0.3165



79.2923, 0.2892, 0.2792



79.2923, 0.3703, 0.3370



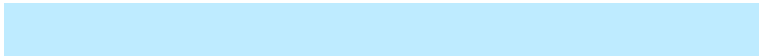
79.2923, 0.3343, 0.3843

Rectangle

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



79.2923, 0.2583, 0.3165



79.2923, 0.2606, 0.2823



79.2923, 0.3703, 0.3370



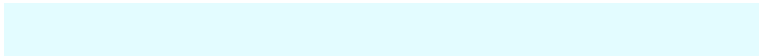
79.2923, 0.3667, 0.3749

Sweetspot

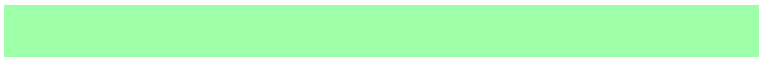
The Sweet Spot groups the original color and five complimentary colors.



79.2936, 0.2583, 0.3165



93.0261, 0.2957, 0.3257



81.7497, 0.3025, 0.4323



19.7391, 0.2937, 0.3253



0.0000, 0.0000, 0.0000



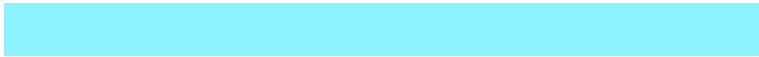
21.4041, 0.3127, 0.3290

Same Dimension

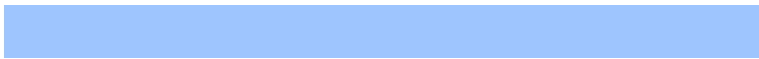
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2936, 0.2583, 0.3165



76.2210, 0.2495, 0.3137



54.7307, 0.2502, 0.2612



20.1044, 0.2980, 0.3262



32.2610, 0.2146, 0.2924



3.2379, 0.2158, 0.2969

Inverse Universe

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



52.6106, 0.3260, 0.2451



46.4900, 0.3292, 0.2296



73.1992, 0.3830, 0.3882



18.2623, 0.3156, 0.3082



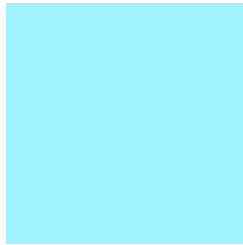
13.9847, 0.3522, 0.1714



1.3714, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 79.2923, 0.2583, 0.3165 looks on a white background.

Color Contrast Check

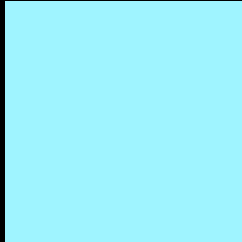
Large Text (above 18pt) WCAG AA × Fail

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 79.2923, 0.2583, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

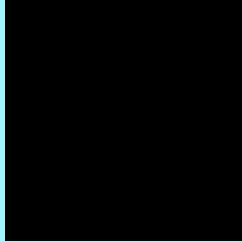
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.2923, 0.2583, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 79.2923, 0.2583, 0.3165.

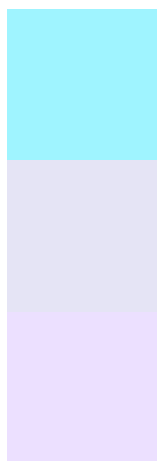


This preview shows how white text looks on a background with the Yxy color 79.2923, 0.2583, 0.3165.

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

79.2923, 0.2583, 0.3165

Protanopia

78.7374, 0.3027, 0.3114

Deuteranopia

78.3642, 0.3013, 0.2977



Tritanopia

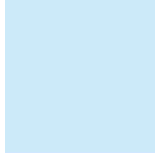
79.2435, 0.2683, 0.3125

Trichromacy



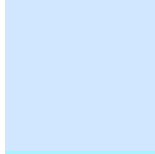
Original Color

79.2923, 0.2583, 0.3165



Protanomaly

78.5226, 0.2846, 0.3129



Deuteranomaly

77.7817, 0.2835, 0.3036



Tritanomaly

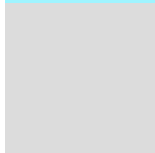
78.9012, 0.2642, 0.3134

Monochromacy



Original Color

79.2923, 0.2583, 0.3165



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.9276, 0.2898, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2923, 0.2583, 0.3165 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(159, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.2923, 0.2583, 0.3165 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(159, 244, 255) }
```

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

```
.border{ border-color:rgb(159, 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(159, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2923, 0.2583, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 244, 255) }
```

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

```
.background{ background-color: rgb(159,  
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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