

Converting Colors

$Yxy(79.9681, 0.2651, 0.3062)$

Have a look what the booklet for
Yxy(79.9681, 0.2651, 0.3062)
contains.

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Color

Yxy(79.8339, 0.2684, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	B4F1FF
RGB	180, 241, 255
RGB Percent	71%, 95%, 100%
CMY	0.2941, 0.0549, 0.0000
CMYK	0.29, 0.05, 0.00, 0.00
HSL	191°, 100%, 85%
HSV	191°, 29%, 100%
XYZ	68.3272, 79.8339, 106.4113
YIQ	224.3570, -40.8500, -8.5780

Conversions

Conversions Part 2

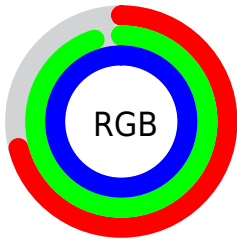
Format	Color
R_{YB}	180, 214, 255
Decimal	11858431
CIE _{Lab}	91.61, -15.93, -12.94
CIE _{LCh}	92, 20.523, 219.088
Yxy	79.8339, 0.2684, 0.3136
Android (android.graphics.Color)	4290048511 (0xFFB4F1FF)
YUV	224.3570, 15.1070, -38.9011
Hunter-Lab	89.3498, -19.8604, -8.0666

Details

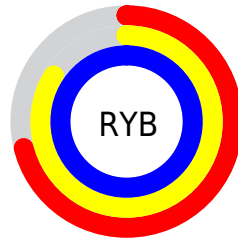
The Yxy color **79.8339, 0.2684, 0.3136** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.1366, 0.3745, 0.3438**, and the grayscale version is **74.7239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **43.1351, 0.2590, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **74.2729, 0.2548, 0.3075**, and if you desaturate by 10%, it is **86.0378, 0.2829, 0.3193**.

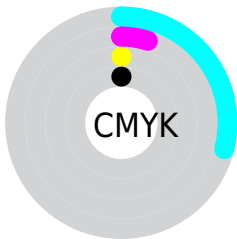
Distribution



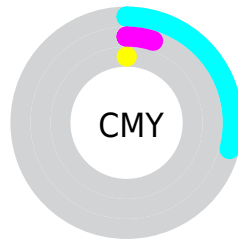
- Red (71%)
- Green (95%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8339, 0.2684, 0.3136 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 79.8339, 0.2684, 0.3136 by changing the saturation by 10% instead.

79.8339, 0.2684,
0.3136

79.8339, 0.2684,
0.3136

494.3729, 0.2883,
0.3209

59.5817, 0.2640,
0.3119

133.1322, 0.2752,
0.3162

43.0815, 0.2587,
0.3097

166.9470, 0.2778,
0.3172

29.9491, 0.2521,
0.3070

206.0515, 0.2801,
0.3180

19.8000, 0.2436,
0.3034

250.8301, 0.2822,
0.3188

12.2497, 0.2325,
0.2984

301.6671, 0.2840,
0.3194

6.9140, 0.2171,
0.2911

358.9470, 0.2855,

3.4084, 0.1949,

0.3200

0.2796

423.0541, 0.2870,
0.3205

1.3485, 0.1601,
0.2592

0.1783, 0.0000,
0.1389

79.8339, 0.2684,
0.3136

79.8339, 0.2684,
0.3136

74.2729, 0.2548,
0.3075

86.0378, 0.2829,
0.3193

69.3138, 0.2425,
0.3011

92.9041, 0.2981,
0.3245

64.9252, 0.2318,
0.2945

99.9997, 0.3127,
0.3290

61.0689, 0.2229,
0.2877

■ 57.7012, 0.2159,
0.2808

■ 54.7701, 0.2109,
0.2740

■ 52.1963, 0.2076,
0.2673

■ 52.0497, 0.2075,
0.2669

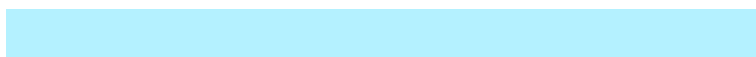
Harmonies

Analogous

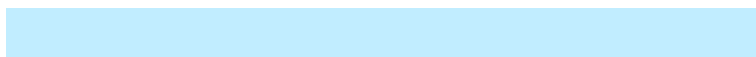
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8339, 0.2791, 0.3358



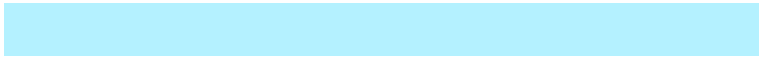
79.8339, 0.2684, 0.3136



79.8339, 0.2690, 0.2969

Triad

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



79.8339, 0.2684, 0.3136



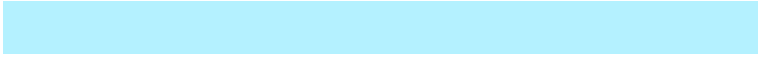
79.8339, 0.3256, 0.3034



79.8339, 0.3447, 0.3703

Complementary

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



79.8339, 0.2684, 0.3136



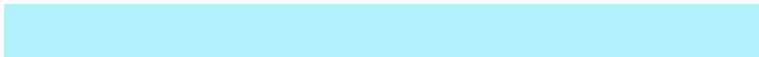
63.1366, 0.3745, 0.3438

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.



79.8339, 0.3582, 0.3596



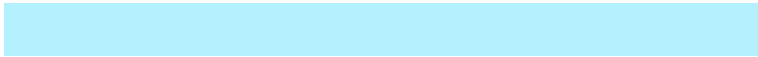
79.8339, 0.2684, 0.3136



79.8339, 0.3471, 0.3212

Square

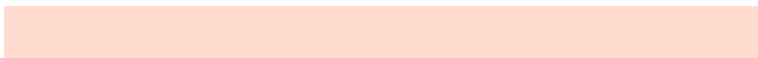
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8339, 0.2684, 0.3136



79.8339, 0.3013, 0.2919



79.8339, 0.3592, 0.3415



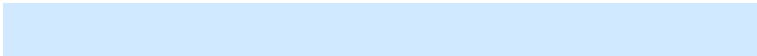
79.8339, 0.3228, 0.3697

Rectangle

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



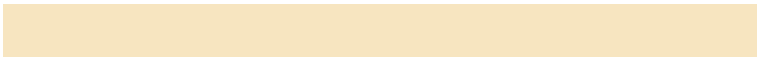
79.8339, 0.2684, 0.3136



79.8339, 0.2757, 0.2907



79.8339, 0.3592, 0.3415



79.8339, 0.3504, 0.3678

Sweetspot

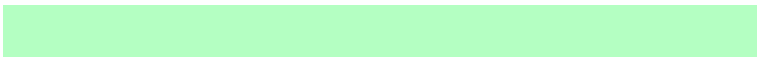
The Sweet Spot groups the original color and five complimentary colors.



79.8371, 0.2684, 0.3136



93.2026, 0.2988, 0.3247



85.1053, 0.3014, 0.3989



19.7254, 0.2965, 0.3240



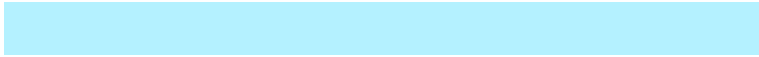
0.0000, 0.0000, 0.0000



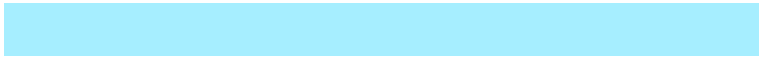
21.4041, 0.3127, 0.3290

Same Dimension

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



79.8371, 0.2684, 0.3136



76.6522, 0.2607, 0.3103



59.9916, 0.2637, 0.2708



19.8712, 0.2980, 0.3245



27.4049, 0.2078, 0.2680



2.8105, 0.2099, 0.2757

Inverse Universe

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



60.2549, 0.3269, 0.2682



54.6352, 0.3302, 0.2566



81.8459, 0.3636, 0.3810



18.2388, 0.3167, 0.3099



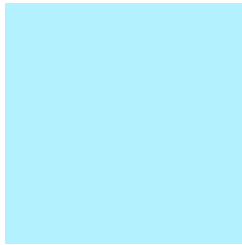
13.4945, 0.3747, 0.1838



1.3283, 0.3674, 0.1798

Previews

White Background



This preview shows how the Yxy color 79.8339, 0.2684, 0.3136 looks on a white background.

Color Contrast Check

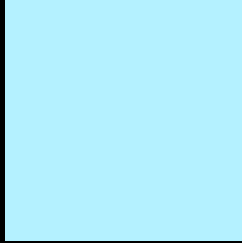
Large Text (above 18pt) WCAG AA × Fail

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 79.8339, 0.2684, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

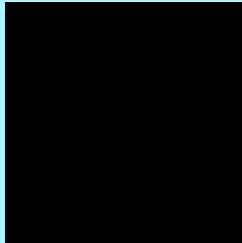
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8339, 0.2684, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 79.8339, 0.2684, 0.3136.

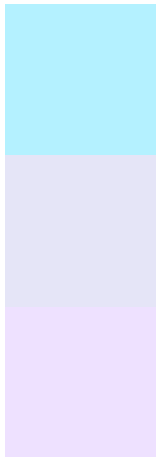


This preview shows how white text looks on a background with the Yxy color 79.8339, 0.2684, 0.3136.

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

79.8339, 0.2684, 0.3136

Protanopia

79.4120, 0.3015, 0.3105

Deuteranopia

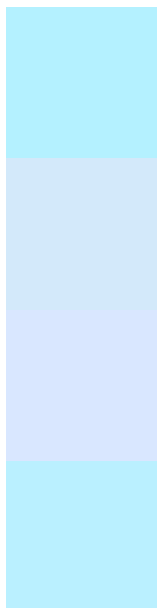
79.2476, 0.3026, 0.2989



Tritanopia

79.9002, 0.2736, 0.3116

Trichromacy



Original Color

79.8339, 0.2684, 0.3136

Protanomaly

79.0288, 0.2883, 0.3110

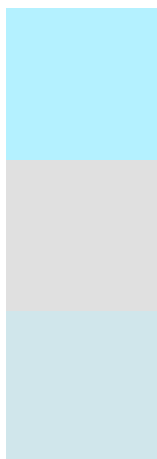
Deuteranomaly

79.1235, 0.2891, 0.3040

Tritanomaly

79.9793, 0.2715, 0.3126

Monochromacy



Original Color

79.8339, 0.2684, 0.3136

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

76.0017, 0.2950, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8339, 0.2684, 0.3136 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(180, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 241, 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(180, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.8339, 0.2684, 0.3136 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(180, 241, 255) }
```

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

```
.border{ border-color:rgb(180, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(180, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8339, 0.2684, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 241, 255) }
```

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

```
.background{ background-color: rgb(180,  
241, 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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