

# Converting Colors

$Yxy(81.8092, 0.2524, 0.2741)$

Have a look what the booklet for  
Yxy(81.8092, 0.2524, 0.2741)  
contains.

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# Color

**Yxy(79.1434, 0.2703, 0.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EFFF
RGB	184, 239, 255
RGB Percent	72%, 94%, 100%
CMY	0.2786, 0.0627, 0.0000
CMYK	0.28, 0.06, 0.00, 0.00
HSL	193°, 100%, 86%
HSV	193°, 28%, 100%
XYZ	68.6756, 79.1434, 106.2529
YIQ	224.3790, -37.9160, -6.6840

# Conversions

## Conversions Part 2

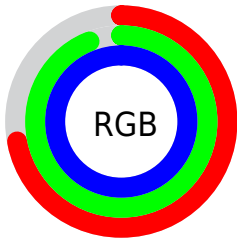
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 215, 255
Decimal	12120063
CIELab	91.30, -13.83, -13.38
CIElCh	91, 19.241, 224.051
Yxy	79.1434, 0.2703, 0.3115
Android (android.graphics.Color)	4290310143 (0xFFB8EFFF)
YUV	224.3790, 15.0962, -35.4124
Hunter-Lab	88.9626, -17.8895, -8.5395

# Details

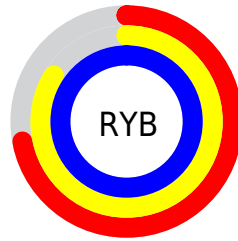
The Yxy color **79.1434, 0.2703, 0.3115** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9989, 0.3695, 0.3458**, and the grayscale version is **74.7338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **42.6113, 0.2612, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **72.9715, 0.2562, 0.3042**, and if you desaturate by 10%, it is **85.9957, 0.2852, 0.3183**.

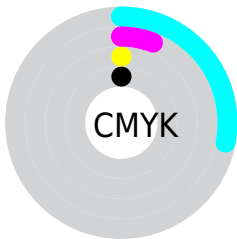
# Distribution



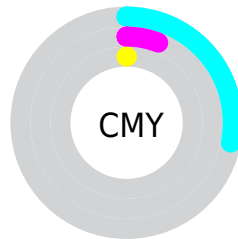
- Red (72%)
- Green (94%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1434, 0.2703, 0.3115 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 79.1434, 0.2703, 0.3115 by changing the saturation by 10% instead.



79.1434, 0.2703,  
0.3115

79.1434, 0.2703,  
0.3115

492.0413, 0.2893,  
0.3198

59.0137, 0.2661,  
0.3096

132.1607, 0.2768,  
0.3144

42.6242, 0.2610,  
0.3072

165.8171, 0.2794,  
0.3155

29.5903, 0.2546,  
0.3042

204.7513, 0.2816,  
0.3165

19.5279, 0.2464,  
0.3002

249.3475, 0.2835,  
0.3173

12.0523, 0.2356,  
0.2947

299.9902, 0.2852,  
0.3180

6.7793, 0.2208,  
0.2868

357.0639, 0.2867,

3.3245, 0.1991,

0.3187

0.2743

420.9528, 0.2881,  
0.3193

■ 1.3034, 0.1650,  
0.2526

■ 0.1438, 0.0000,  
0.1159

■ 79.1434, 0.2703,  
0.3115

■ 79.1434, 0.2703,  
0.3115

■ 72.9715, 0.2562,  
0.3042

■ 85.9957, 0.2852,  
0.3183

■ 67.4390, 0.2433,  
0.2965

■ 93.5481, 0.3005,  
0.3245

■ 62.5147, 0.2318,  
0.2884

99.9992, 0.3127,  
0.3290

■ 58.1605, 0.2220,  
0.2801

■ 54.3333, 0.2142,  
0.2717

■ 50.9823, 0.2084,  
0.2633

■ 48.0398, 0.2044,  
0.2550

■ 47.4404, 0.2037,  
0.2532

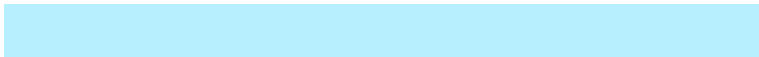
# Harmonies

## Analogous

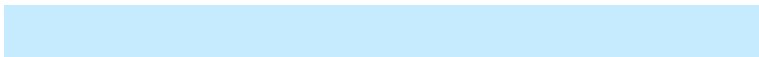
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1434, 0.2787, 0.3319



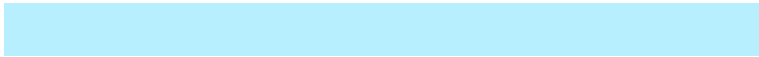
79.1434, 0.2703, 0.3115



79.1434, 0.2727, 0.2970

# Triad

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



79.1434, 0.2703, 0.3115



79.1434, 0.3286, 0.3073



79.1434, 0.3398, 0.3685

# Complementary

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



79.1434, 0.2703, 0.3115



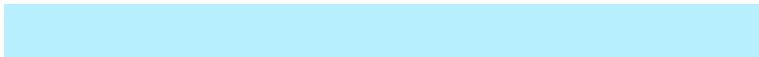
65.9989, 0.3695, 0.3458

# 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.



79.1434, 0.3541, 0.3601



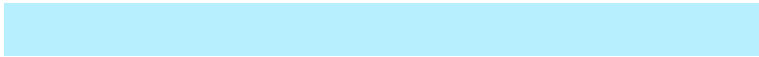
79.1434, 0.2703, 0.3115



79.1434, 0.3476, 0.3248

# Square

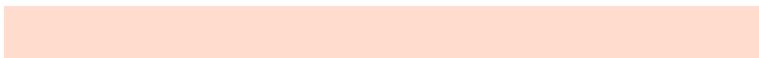
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



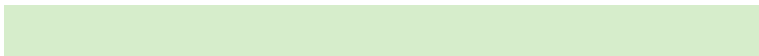
79.1434, 0.2703, 0.3115



79.1434, 0.3057, 0.2952



79.1434, 0.3571, 0.3439

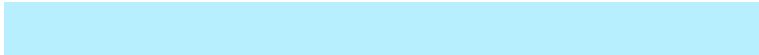


79.1434, 0.3185, 0.3659

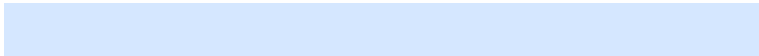


# Rectangle

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



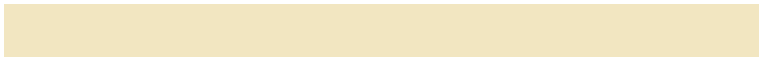
79.1434, 0.2703, 0.3115



79.1434, 0.2801, 0.2921



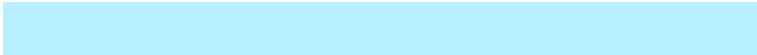
79.1434, 0.3571, 0.3439



79.1434, 0.3456, 0.3668

# Sweetspot

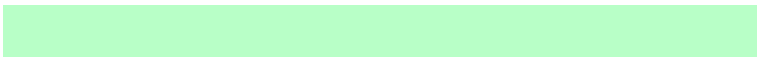
The Sweet Spot groups the original color and five complimentary colors.



79.1466, 0.2703, 0.3115



93.4414, 0.3003, 0.3244



85.8388, 0.3007, 0.3919



19.7476, 0.2980, 0.3235



0.0000, 0.0000, 0.0000

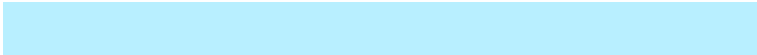


21.4041, 0.3127, 0.3290

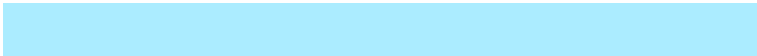


# Same Dimension

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



79.1466, 0.2703, 0.3115



75.8937, 0.2629, 0.3078



60.6342, 0.2662, 0.2716



19.7476, 0.2980, 0.3235



25.0255, 0.2041, 0.2546



2.5985, 0.2067, 0.2641



# Inverse Universe

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



61.7581, 0.3281, 0.2740



56.3895, 0.3316, 0.2637



84.0568, 0.3600, 0.3804



18.2263, 0.3173, 0.3108



13.2543, 0.3877, 0.1909

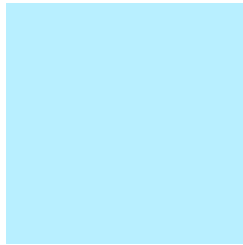


1.3069, 0.3785, 0.1859



# Previews

## White Background



This preview shows how the Yxy color 79.1434, 0.2703, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

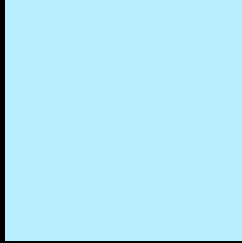
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1434, 0.2703, 0.3115 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 79.1434, 0.2703, 0.3115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1434, 0.2703, 0.3115.

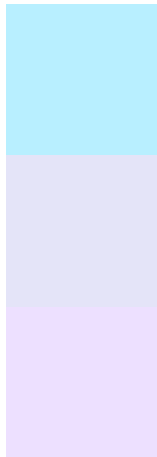


This preview shows how white text looks on a background with the Yxy color 79.1434, 0.2703, 0.3115.

# 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

79.1434, 0.2703, 0.3115

### Protanopia

78.7581, 0.3002, 0.3084

### Deuteranopia

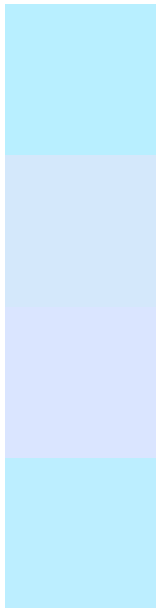
78.5358, 0.3019, 0.2978



## Tritanopia

79.3162, 0.2735, 0.3105

# Trichromacy



**Original Color**

79.1434, 0.2703, 0.3115

**Protanomaly**

78.6753, 0.2883, 0.3089

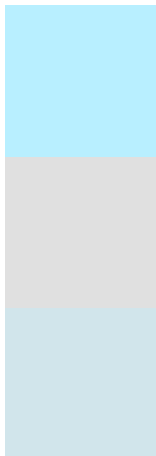
**Deuteranomaly**

78.1640, 0.2896, 0.3019

**Tritanomaly**

79.0604, 0.2724, 0.3105

# Monochromacy



**Original Color**

79.1434, 0.2703, 0.3115

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.5921, 0.2956, 0.3224

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1434, 0.2703, 0.3115 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(184, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 239, 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(184, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 239, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1434, 0.2703, 0.3115 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(184, 239, 255) }
```

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

```
.border{ border-color:rgb(184, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(184, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 239,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1434, 0.2703, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 239, 255) }
```

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

```
.background{ background-color: rgb(184,  
239, 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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