

Converting Colors

$Yxy(84.7158, 0.2372, 0.2528)$

Have a look what the booklet for
Yxy(84.7158, 0.2372, 0.2528)
contains.

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Color

Yxy(79.7229, 0.2654, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	AEF2FF
RGB	174, 242, 255
RGB Percent	68%, 95%, 100%
CMY	0.3176, 0.0510, 0.0001
CMYK	0.32, 0.05, 0.00, 0.00
HSL	190°, 100%, 84%
HSV	190°, 32%, 100%
XYZ	67.2551, 79.7229, 106.4324
YIQ	223.1500, -44.7010, -10.3730

Conversions

Conversions Part 2

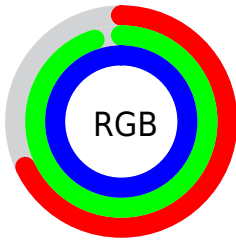
Format	Color
RYB	174, 211, 255
Decimal	11465471
CIELab	91.56, -18.07, -13.04
CIELCh	92, 22.283, 215.814
Yxy	79.7229, 0.2654, 0.3146
Android (android.graphics.Color)	4289655551 (0xFFAEF2FF)
YUV	223.1500, 15.7021, -43.1045
Hunter-Lab	89.2877, -21.8000, -8.1733

Details

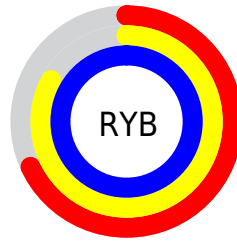
The Yxy color **79.7229, 0.2654, 0.3146** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.8438, 0.3817, 0.3428**, and the grayscale version is **73.8158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **43.1170, 0.2556, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **74.6653, 0.2523, 0.3094**, and if you desaturate by 10%, it is **85.3970, 0.2796, 0.3195**.

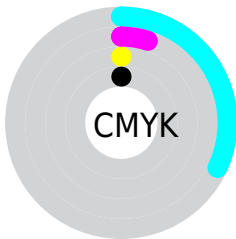
Distribution



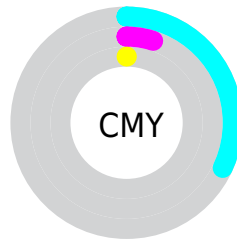
- Red (68%)
- Green (95%)
- Blue (100%)



- Red (68%)
- Yellow (83%)
- Blue (100%)



- Cyan (32%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7229, 0.2654, 0.3146 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 79.7229, 0.2654, 0.3146 by changing the saturation by 10% instead.

 79.7229, 0.2654,
0.3146

 79.7229, 0.2654,
0.3146


493.9985, 0.2866,
0.3215

 59.4904, 0.2607,
0.3130


 132.9761, 0.2726,
0.3171

 43.0080, 0.2551,
0.3109


166.7655, 0.2754,
0.3180

 29.8914, 0.2480,
0.3083


205.8427, 0.2779,
0.3188

 19.7562, 0.2390,
0.3048

250.5920, 0.2801,
0.3195

 12.2179, 0.2272,
0.2999

301.3978, 0.2820,
0.3201

 6.8923, 0.2110,
0.2928

358.6446, 0.2837,

 3.3948, 0.1875,

0.3206

0.2814

422.7167, 0.2852,
0.3211

1.3412, 0.1509,
0.2610

0.1727, 0.0000,
0.1351

79.7229, 0.2654,
0.3146

79.7229, 0.2654,
0.3146

74.6653, 0.2523,
0.3094

85.3970, 0.2796,
0.3195

70.1828, 0.2407,
0.3038

91.7074, 0.2945,
0.3241

66.2435, 0.2307,
0.2982

98.6848, 0.3100,
0.3283

62.8083, 0.2226,
0.2924

99.9987, 0.3127,
0.3290

■ 59.8319, 0.2165,
0.2866

■ 57.2601, 0.2123,
0.2808

■ 55.3770, 0.2100,
0.2761

Harmonies

Analogous

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



79.7229, 0.2782, 0.3390



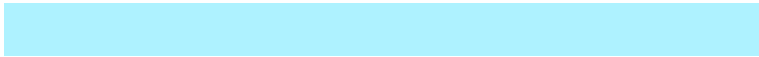
79.7229, 0.2654, 0.3146



79.7229, 0.2647, 0.2956

Triad

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



79.7229, 0.2654, 0.3146



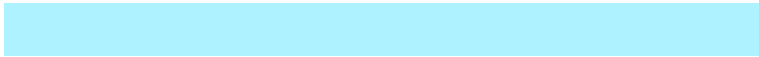
79.7229, 0.3238, 0.2995



79.7229, 0.3495, 0.3732

Complementary

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



79.7229, 0.2654, 0.3146



59.8438, 0.3817, 0.3428

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.



79.7229, 0.3630, 0.3602



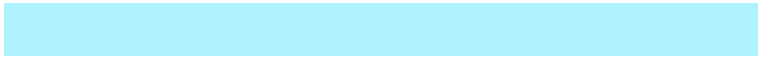
79.7229, 0.2654, 0.3146



79.7229, 0.3479, 0.3182

Square

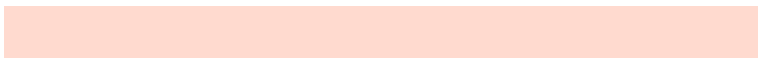
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



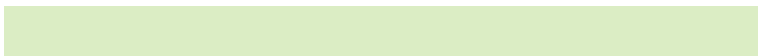
79.7229, 0.2654, 0.3146



79.7229, 0.2975, 0.2880



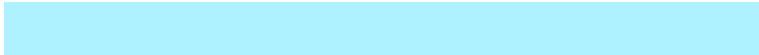
79.7229, 0.3625, 0.3400



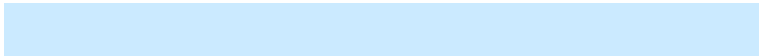
79.7229, 0.3264, 0.3741

Rectangle

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



79.7229, 0.2654, 0.3146



79.7229, 0.2711, 0.2882



79.7229, 0.3625, 0.3400



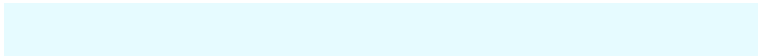
79.7229, 0.3554, 0.3700

Sweetspot

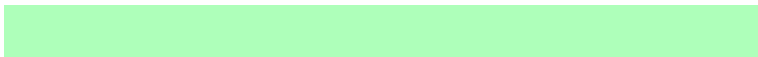
The Sweet Spot groups the original color and five complimentary colors.



79.7261, 0.2654, 0.3146



92.9014, 0.2972, 0.3249



84.0578, 0.3019, 0.4088



19.6828, 0.2951, 0.3243



0.0000, 0.0000, 0.0000



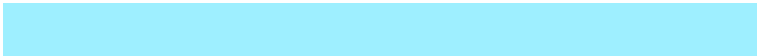
21.4041, 0.3127, 0.3290

Same Dimension

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



79.7261, 0.2654, 0.3146



76.5111, 0.2571, 0.3114



58.6217, 0.2598, 0.2686



19.9566, 0.2980, 0.3251



29.1261, 0.2103, 0.2771



2.9627, 0.2121, 0.2836

Inverse Universe

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



57.9415, 0.3265, 0.2613



52.0080, 0.3299, 0.2482



79.0529, 0.3691, 0.3827



18.2474, 0.3163, 0.3093



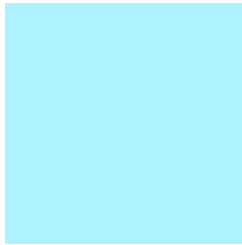
13.6683, 0.3662, 0.1791



1.3436, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 79.7229, 0.2654, 0.3146 looks on a white background.

Color Contrast Check

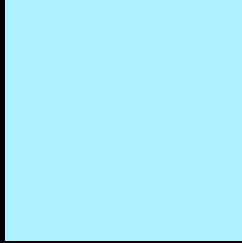
Large Text (above 18pt) WCAG AA × Fail

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 79.7229, 0.2654, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

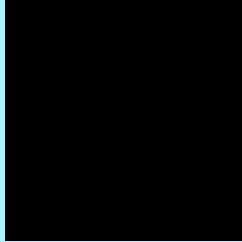
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7229, 0.2654, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 79.7229, 0.2654, 0.3146.

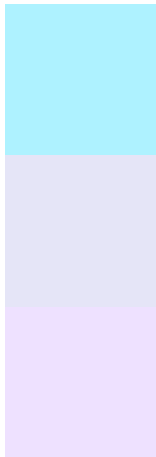


This preview shows how white text looks on a background with the Yxy color 79.7229, 0.2654, 0.3146.

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

79.7229, 0.2654, 0.3146

Protanopia

79.4120, 0.3015, 0.3105

Deuteranopia

79.2476, 0.3026, 0.2989



Tritanopia

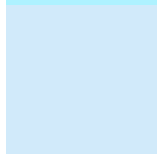
79.5178, 0.2720, 0.3116

Trichromacy



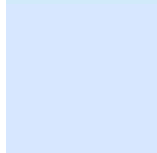
Original Color

79.7229, 0.2654, 0.3146



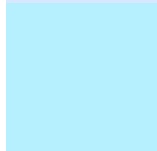
Protanomaly

79.3031, 0.2871, 0.3120



Deuteranomaly

78.8189, 0.2878, 0.3039



Tritanomaly

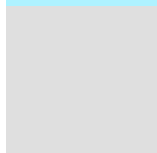
79.4853, 0.2693, 0.3125

Monochromacy



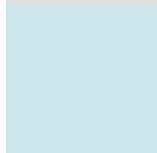
Original Color

79.7229, 0.2654, 0.3146



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.5709, 0.2931, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7229, 0.2654, 0.3146 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(174, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 242, 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(174, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.7229, 0.2654, 0.3146 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(174, 242, 255) }
```

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

```
.border{ border-color:rgb(174, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(174, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7229, 0.2654, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 242, 255) }
```

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

```
.background{ background-color: rgb(174,  
242, 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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