

Converting Colors

$Yxy(79.9298, 0.2587, 0.3021)$

Have a look what the booklet for
Yxy(79.9298, 0.2587, 0.3021)
contains.

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Color

Yxy(79.4949, 0.2644, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	ACF2FF
RGB	172, 242, 255
RGB Percent	67%, 95%, 100%
CMY	0.3251, 0.0510, 0.0000
CMYK	0.33, 0.05, 0.00, 0.00
HSL	189°, 100%, 84%
HSV	189°, 33%, 100%
XYZ	66.8313, 79.4949, 106.4398
YIQ	222.5520, -45.8930, -10.7970

Conversions

Conversions Part 2

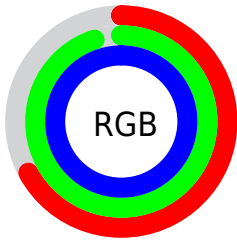
Format	Color
RYB	172, 210, 255
Decimal	11334399
CIELab	91.46, -18.57, -13.22
CIElCh	91, 22.792, 215.456
Yxy	79.4949, 0.2644, 0.3145
Android (android.graphics.Color)	4289524479 (0xFFACF2FF)
YUV	222.5520, 15.9969, -44.3341
Hunter-Lab	89.1599, -22.2321, -8.3689

Details

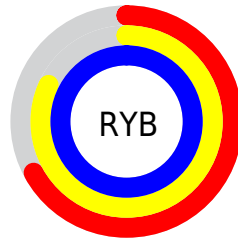
The Yxy color **79.4949, 0.2644, 0.3145** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.9842, 0.3840, 0.3429**, and the grayscale version is **73.3804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **42.9080, 0.2538, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **74.5250, 0.2515, 0.3094**, and if you desaturate by 10%, it is **85.0752, 0.2785, 0.3194**.

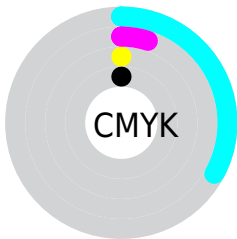
Distribution



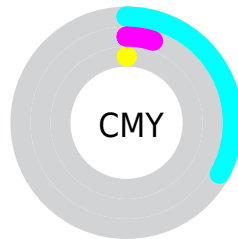
- Red (67%)
- Green (95%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4949, 0.2644, 0.3145 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 79.4949, 0.2644, 0.3145 by changing the saturation by 10% instead.


 79.4949, 0.2644,
0.3145

 79.4949, 0.2644,
0.3145

493.2290, 0.2860,
0.3215

 59.3028, 0.2596,
0.3128

 132.6554, 0.2718,
0.3170

 42.8569, 0.2538,
0.3108


166.3925, 0.2747,
0.3179

 29.7729, 0.2466,
0.3081

205.4134, 0.2772,
0.3187

 19.6663, 0.2375,
0.3045

250.1026, 0.2794,
0.3195

 12.1527, 0.2254,
0.2996

300.8443, 0.2813,
0.3201

 6.8477, 0.2088,
0.2923

358.0230, 0.2831,

 3.3671, 0.1849,

0.3206

0.2807

422.0231, 0.2846,
0.3211

■ 1.3262, 0.1475,
0.2600

■ 0.1614, 0.0000,
0.1273

■ 79.4949, 0.2644,
0.3145

■ 79.4949, 0.2644,
0.3145

■ 74.5250, 0.2515,
0.3094

■ 85.0752, 0.2785,
0.3194

■ 70.1265, 0.2400,
0.3039

■ 91.2885, 0.2934,
0.3239

■ 66.2664, 0.2302,
0.2984

■ 98.1647, 0.3088,
0.3280

■ 62.9051, 0.2223,
0.2927

100.0000, 0.3127,
0.3290

■ 59.9970, 0.2164,
0.2870

■ 57.4869, 0.2124,
0.2814

■ 55.8076, 0.2104,
0.2772

Harmonies

Analogous

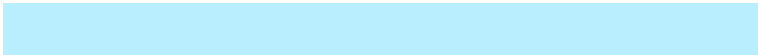
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4949, 0.2776, 0.3396



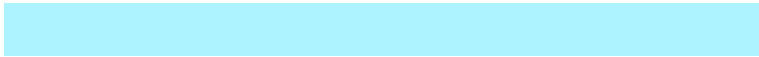
79.4949, 0.2644, 0.3145



79.4949, 0.2635, 0.2950

Triad

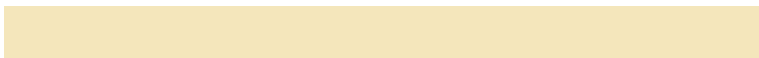
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.4949, 0.2644, 0.3145



79.4949, 0.3237, 0.2987



79.4949, 0.3506, 0.3741

Complementary

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



79.4949, 0.2644, 0.3145



58.9842, 0.3840, 0.3429

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.



79.4949, 0.3643, 0.3607



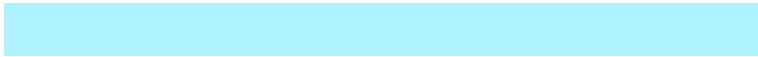
79.4949, 0.2644, 0.3145



79.4949, 0.3485, 0.3176

Square

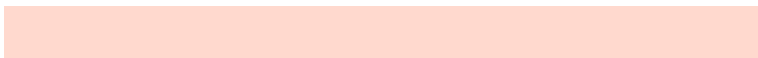
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



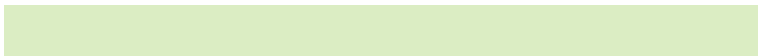
79.4949, 0.2644, 0.3145



79.4949, 0.2968, 0.2870



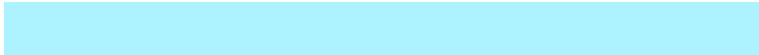
79.4949, 0.3636, 0.3400



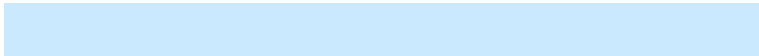
79.4949, 0.3270, 0.3753

Rectangle

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



79.4949, 0.2644, 0.3145



79.4949, 0.2699, 0.2874



79.4949, 0.3636, 0.3400



79.4949, 0.3566, 0.3708

Sweetspot

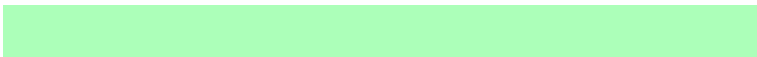
The Sweet Spot groups the original color and five complimentary colors.



79.4972, 0.2644, 0.3145



92.9531, 0.2972, 0.3250



83.7839, 0.3017, 0.4110



19.6954, 0.2951, 0.3244



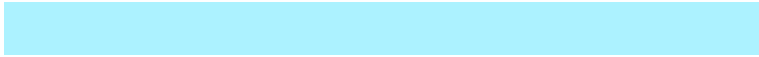
0.0000, 0.0000, 0.0000



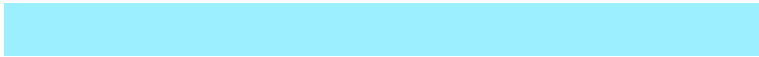
21.4041, 0.3127, 0.3290

Same Dimension

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



79.4972, 0.2644, 0.3145



76.2046, 0.2559, 0.3112



57.8255, 0.2585, 0.2669



19.9671, 0.2980, 0.3252



29.3429, 0.2106, 0.2782



2.9818, 0.2124, 0.2846

Inverse Universe

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



57.2100, 0.3267, 0.2595



51.1412, 0.3302, 0.2458



78.6251, 0.3706, 0.3840



18.2485, 0.3162, 0.3092



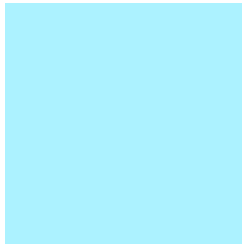
13.6902, 0.3652, 0.1785



1.3456, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 79.4949, 0.2644, 0.3145 looks on a white background.

Color Contrast Check

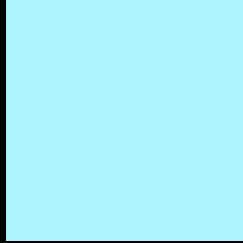
Large Text (above 18pt) WCAG AA × Fail

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 79.4949, 0.2644, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

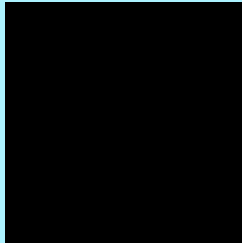
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.4949, 0.2644, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 79.4949, 0.2644, 0.3145.

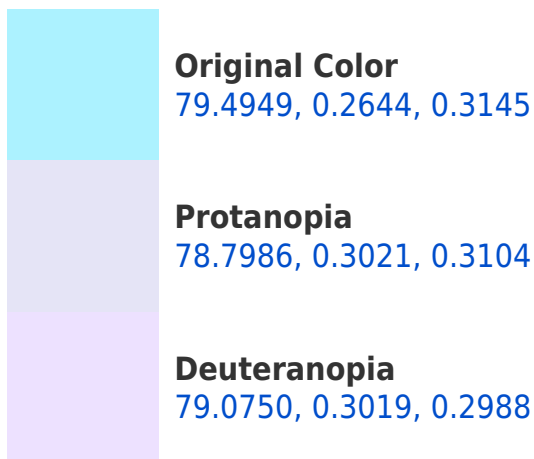


This preview shows how white text looks on a background with the Yxy color 79.4949, 0.2644, 0.3145.

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





Tritanopia

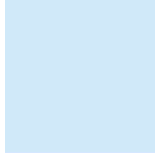
79.3921, 0.2714, 0.3115

Trichromacy



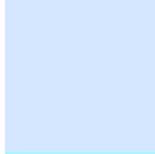
Original Color

79.4949, 0.2644, 0.3145



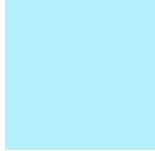
Protanomaly

78.5273, 0.2870, 0.3119



Deuteranomaly

78.5180, 0.2866, 0.3038



Tritanomaly

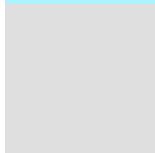
79.3639, 0.2688, 0.3125

Monochromacy



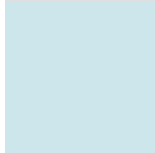
Original Color

79.4949, 0.2644, 0.3145



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.4292, 0.2924, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4949, 0.2644, 0.3145 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(172, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.4949, 0.2644, 0.3145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

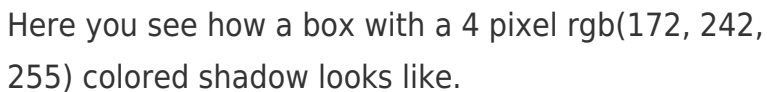
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 242, 255) }
```

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

```
.border{ border-color:rgb(172, 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(172, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4949, 0.2644, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 242, 255) }
```

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

```
.background{ background-color: rgb(172,  
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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