

# Converting Colors

$Y_{xy}(79.1591, 0.2547, 0.3388)$

Have a look what the booklet for  
Yxy(79.1591, 0.2547, 0.3388)  
contains.

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# Color

**Yxy(79.1706, 0.2545, 0.3382)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 86F9F1                       |
| RGB         | 134, 249, 241                |
| RGB Percent | 53%, 98%, 95%                |
| CMY         | 0.4747, 0.0235, 0.0550       |
| CMYK        | 0.46, 0.00, 0.03, 0.02       |
| HSL         | 176°, 91%, 75%               |
| HSV         | 176°, 46%, 98%               |
| XYZ         | 59.5769, 79.1706, 95.3465    |
| YIQ         | 213.7030, -65.9720, -26.8680 |

# Conversions

## Conversions Part 2

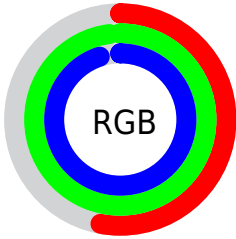
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 134, 194, 249                  |
| Decimal                             | 8845809                        |
| CIELab                              | 91.31, -34.64, -6.32           |
| CIELCh                              | 91, 35.214, 190.344            |
| Yxy                                 | 79.1706, 0.2545,<br>0.3382     |
| Android<br>(android.graphics.Color) | 4287035889<br>(0xFF86F9F1)     |
| YUV                                 | 213.7030, 13.4574,<br>-69.8995 |
| Hunter-Lab                          | 88.9779, -36.1930,<br>-1.2492  |

# Details

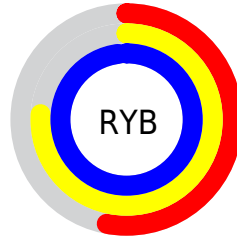
The Yxy color **79.1706, 0.2545, 0.3382** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.1336, 0.4302, 0.3208**, and the grayscale version is **66.9709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **42.6185, 0.2419, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **77.2603, 0.2460, 0.3405**, and if you desaturate by 10%, it is **81.5697, 0.2648, 0.3360**.

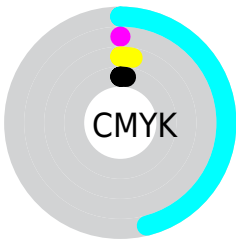
# Distribution



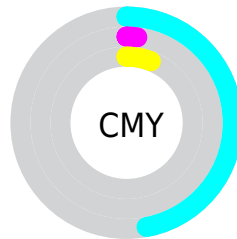
- Red (53%)
- Green (98%)
- Blue (95%)



- Red (53%)
- Yellow (76%)
- Blue (98%)



- Cyan (46%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)




- Cyan (47%)
- Magenta (2%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1706, 0.2545, 0.3382 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 79.1706, 0.2545, 0.3382 by changing the saturation by 10% instead.





 79.1706, 0.2545,  
0.3382

 79.1706, 0.2545,  
0.3382


492.1333, 0.2806,  
0.3345


 59.0361, 0.2487,  
0.3389


 132.1990, 0.2634,  
0.3370

 42.6422, 0.2417,  
0.3398


 165.8617, 0.2669,  
0.3365

 29.6045, 0.2330,  
0.3407


 204.8025, 0.2700,  
0.3361

 19.5386, 0.2218,  
0.3418

249.4060, 0.2726,  
0.3357

 12.0601, 0.2072,  
0.3430

300.0564, 0.2750,  
0.3353

 6.7846, 0.1871,  
0.3441


357.1381, 0.2771,


 3.3278, 0.1582,


0.3350


421.0356, 0.2789,  
0.3347


0.3446


 1.3051, 0.0925,  
0.3505


 0.1452, 0.0000,  
0.1948


 79.1706, 0.2545,  
0.3382


 79.1706, 0.2545,  
0.3382


 77.2603, 0.2460,  
0.3405


 81.5697, 0.2648,  
0.3360


 75.7951, 0.2394,  
0.3429

 84.4793, 0.2766,  
0.3339


 74.7393, 0.2347,  
0.3453

 87.9309, 0.2897,  
0.3319

 74.0474, 0.2319,  
0.3476


 91.9508, 0.3037,  
0.3301


 73.6628, 0.2309,  
0.3500


 95.9003, 0.3161,  
0.3284

 73.5643, 0.2308,  
0.3508

 96.0096, 0.3151,  
0.3267

 96.1200, 0.3141,  
0.3251

 96.2313, 0.3131,  
0.3234

 96.2388, 0.3130,  
0.3233

# Harmonies

## Analogous

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



79.1706, 0.2866, 0.3769



79.1706, 0.2545, 0.3382



79.1706, 0.2380, 0.2996

# Triad

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



79.1706, 0.2545, 0.3382



79.1706, 0.2942, 0.2679



79.1706, 0.3903, 0.3806

# Complementary

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



79.1706, 0.2545, 0.3382



39.1336, 0.4302, 0.3208

# 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.



79.1706, 0.3937, 0.3497



79.1706, 0.2545, 0.3382



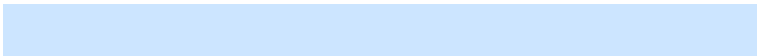
79.1706, 0.3360, 0.2872

# Square

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



79.1706, 0.2545, 0.3382



79.1706, 0.2597, 0.2623



79.1706, 0.3734, 0.3163

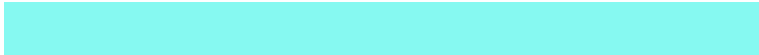


79.1706, 0.3653, 0.4005



# Rectangle

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



79.1706, 0.2545, 0.3382



79.1706, 0.2372, 0.2801



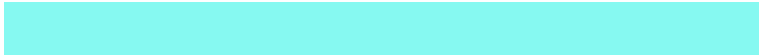
79.1706, 0.3734, 0.3163



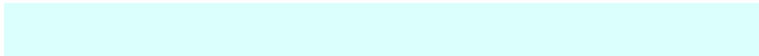
79.1706, 0.3941, 0.3711

# Sweetspot

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



79.1737, 0.2545, 0.3382



93.6872, 0.2926, 0.3315



75.3675, 0.3111, 0.4727



19.8677, 0.2897, 0.3319



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.



79.1737, 0.2545, 0.3382



81.7535, 0.2468, 0.3402



53.7129, 0.2403, 0.2699



19.5865, 0.2990, 0.3306



39.3824, 0.2307, 0.3505



3.6536, 0.2299, 0.3477



# Inverse Universe

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



39.1336, 0.4302, 0.3208



34.9334, 0.4670, 0.3198



55.2762, 0.4132, 0.3802



17.2448, 0.3283, 0.3274



10.8100, 0.6328, 0.3260

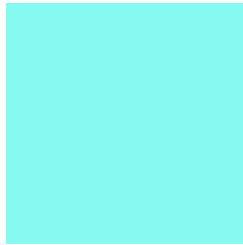


1.0078, 0.6161, 0.3167



# Previews

## White Background



This preview shows how the Yxy color 79.1706, 0.2545, 0.3382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

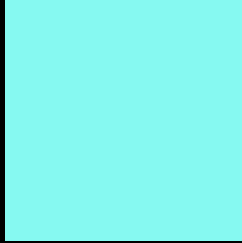
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1706, 0.2545, 0.3382 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 79.1706, 0.2545, 0.3382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1706, 0.2545, 0.3382.

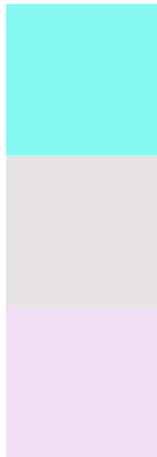


This preview shows how white text looks on a background with the Yxy color 79.1706, 0.2545, 0.3382.

# 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

79.1706, 0.2545, 0.3382

### Protanopia

78.4119, 0.3162, 0.3290

### Deuteranopia

78.0126, 0.3111, 0.3039



## Tritanopia

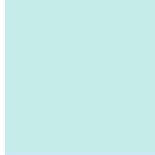
79.0148, 0.2647, 0.3134

# Trichromacy



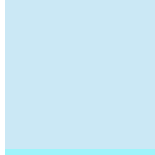
## Original Color

79.1706, 0.2545, 0.3382



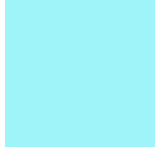
## Protanomaly

77.7444, 0.2894, 0.3322



## Deuteranomaly

77.0023, 0.2861, 0.3149



## Tritanomaly

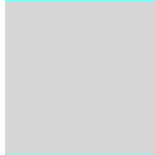
78.9744, 0.2606, 0.3221

# Monochromacy



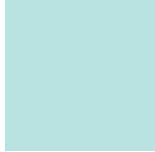
## Original Color

79.1706, 0.2545, 0.3382



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.6343, 0.2867, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1706, 0.2545, 0.3382 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(134, 249, 241)` looks like.

```
.text, #text, p{  
    color:rgb(134, 249, 241)  
}
```

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(134, 249, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 249, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1706, 0.2545, 0.3382 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(134, 249, 241) }
```

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

```
.border{ border-color:rgb(134, 249, 241) }
```

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

Here you see how a box with a 4 pixel rgb(134, 249, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 249, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 249, 241);  
box-shadow:4px 4px 4px 4px rgb(134, 249,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1706, 0.2545, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 249, 241) }
```

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

```
.background{ background-color: rgb(134,  
249, 241) }
```

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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