

# Converting Colors

Yxy(66.1294, 0.2542, 0.3129)

Have a look what the booklet for  
Yxy(66.1294, 0.2542, 0.3129)  
contains.

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# **Color**

**Yxy(66.2874, 0.2540, 0.3132)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8DE2EF                       |
| RGB         | 141, 226, 239                |
| RGB Percent | 55%, 89%, 94%                |
| CMY         | 0.4470, 0.1137, 0.0629       |
| CMYK        | 0.41, 0.05, 0.00, 0.06       |
| HSL         | 188°, 75%, 75%               |
| HSV         | 188°, 41%, 94%               |
| XYZ         | 53.7580, 66.2874, 91.6002    |
| YIQ         | 202.0670, -54.8330, -13.9770 |

# Conversions

## Conversions Part 2

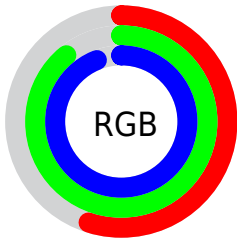
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 141, 187, 239                  |
| Decimal                             | 9298671                        |
| CIE Lab                             | 85.14, -22.46, -14.42          |
| CIE LCh                             | 85, 26.693, 212.695            |
| Yxy                                 | 66.2874, 0.2540,<br>0.3132     |
| Android<br>(android.graphics.Color) | 4287488751<br>(0xFF8DE2EF)     |
| YUV                                 | 202.0670, 18.2080,<br>-53.5558 |
| Hunter-Lab                          | 81.4171, -24.6201,<br>-9.7137  |

# Details

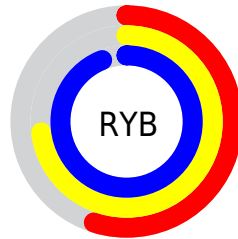
The Yxy color **66.2874, 0.2540, 0.3132** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.3723, 0.4118, 0.3438**, and the grayscale version is **59.0182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **34.0532, 0.2403, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **62.7117, 0.2426, 0.3087**, and if you desaturate by 10%, it is **70.3520, 0.2669, 0.3175**.

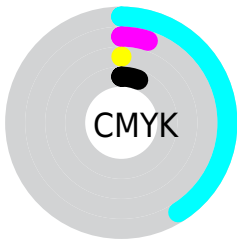
# Distribution



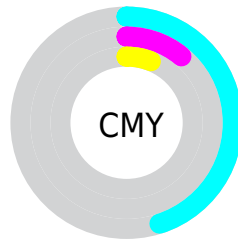
- Red (55%)
- Green (89%)
- Blue (94%)



- Red (55%)
- Yellow (73%)
- Blue (94%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (45%)
- Magenta (11%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2874, 0.2540, 0.3132 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 66.2874, 0.2540, 0.3132 by changing the saturation by 10% instead.




 66.2874, 0.2540,  
0.3132

 66.2874, 0.2540,  
0.3132


447.4040, 0.2810,  
0.3212

 48.5057, 0.2479,  
0.3112

 113.8987, 0.2633,  
0.3161

 34.2276, 0.2404,  
0.3086


 144.4972, 0.2670,  
0.3172

 23.0685, 0.2309,  
0.3052

180.1367, 0.2701,  
0.3182

 14.6441, 0.2187,  
0.3006

221.2017, 0.2729,  
0.3190

 8.5700, 0.2023,  
0.2938

268.0765, 0.2753,  
0.3196

 4.4618, 0.1793,  
0.2833

321.1456, 0.2774,

 1.9351, 0.1455,

0.3202

0.2652

380.7933, 0.2793,  
0.3208

0.5693, 0.0000,  
0.2411

0.0000, 0.0000,  
0.0000

66.2874, 0.2540,  
0.3132

66.2874, 0.2540,  
0.3132

62.7117, 0.2426,  
0.3087

70.3520, 0.2669,  
0.3175

59.5875, 0.2328,  
0.3041


74.9245, 0.2809,  
0.3215

56.8845, 0.2250,  
0.2994


80.0324, 0.2958,  
0.3252


54.5648, 0.2191,  
0.2947


85.6987, 0.3112,  
0.3287

 52.5833, 0.2150,  
0.2900

 90.8882, 0.3231,  
0.3318

 51.0223, 0.2128,  
0.2859

 92.7855, 0.3229,  
0.3349

 94.7156, 0.3226,  
0.3379

 96.6785, 0.3224,  
0.3409

 98.6745, 0.3221,  
0.3439

# Harmonies

## Analogous

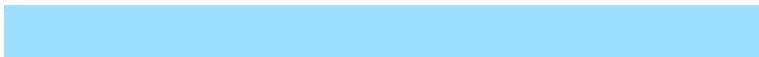
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2874, 0.2713, 0.3449



66.2874, 0.2540, 0.3132



66.2874, 0.2516, 0.2883

# Triad

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



66.2874, 0.2540, 0.3132



66.2874, 0.3231, 0.2899



66.2874, 0.3618, 0.3840

# Complementary

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



66.2874, 0.2540, 0.3132



43.3723, 0.4118, 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.



66.2874, 0.3776, 0.3656



66.2874, 0.2540, 0.3132



66.2874, 0.3548, 0.3124

# Square

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



66.2874, 0.2540, 0.3132



66.2874, 0.2900, 0.2767



66.2874, 0.3752, 0.3395



66.2874, 0.3331, 0.3877

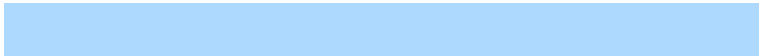


# Rectangle

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



66.2874, 0.2540, 0.3132



66.2874, 0.2585, 0.2784



66.2874, 0.3752, 0.3395



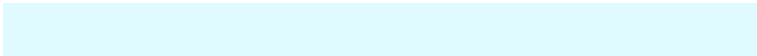
66.2874, 0.3689, 0.3792

# Sweetspot

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



66.2900, 0.2540, 0.3132



92.0943, 0.2942, 0.3249



69.6617, 0.3009, 0.4408



19.5400, 0.2922, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

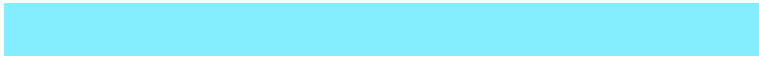


# Same Dimension

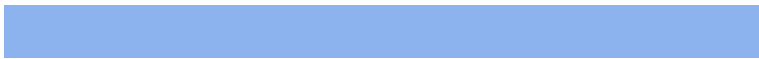
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2900, 0.2540, 0.3132



73.3882, 0.2445, 0.3096



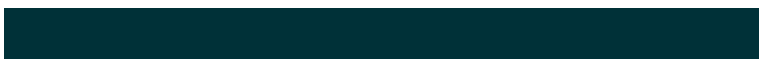
43.9586, 0.2442, 0.2520



17.5512, 0.2981, 0.3258



28.3433, 0.2130, 0.2866



2.4560, 0.2147, 0.2927



# Inverse Universe

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



42.8896, 0.3290, 0.2398



43.4388, 0.3330, 0.2235



62.2385, 0.3895, 0.3949



15.9933, 0.3158, 0.3088



12.6546, 0.3574, 0.1743

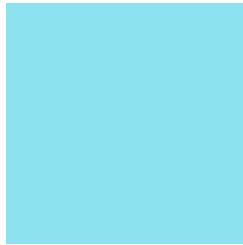


1.0627, 0.3519, 0.1712



# Previews

## White Background



This preview shows how the Yxy color 66.2874, 0.2540, 0.3132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

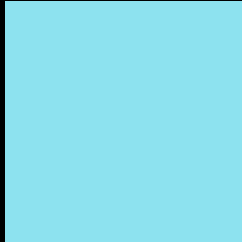
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2874, 0.2540, 0.3132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

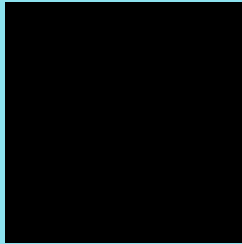
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.2874, 0.2540, 0.3132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2874, 0.2540, 0.3132.

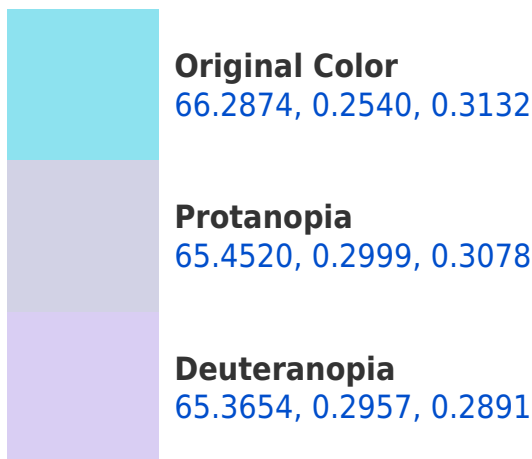


This preview shows how white text looks on a background with the Yxy color 66.2874, 0.2540, 0.3132.

# 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

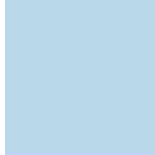
66.0723, 0.2523, 0.3073

# Trichromacy



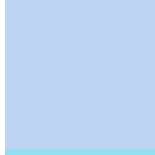
## Original Color

66.2874, 0.2540, 0.3132



## Protanomaly

65.3092, 0.2807, 0.3093



## Deuteranomaly

64.8181, 0.2777, 0.2961



## Tritanomaly

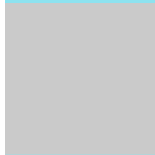
66.0120, 0.2528, 0.3084

# Monochromacy



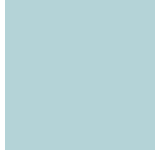
## Original Color

66.2874, 0.2540, 0.3132



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.1981, 0.2880, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2874, 0.2540, 0.3132 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(141, 226, 239)` looks like.

```
.text, #text, p{  
    color:rgb(141, 226, 239)  
}
```

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(141, 226, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 226, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2874, 0.2540, 0.3132 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(141, 226, 239) }
```

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

```
.border{ border-color:rgb(141, 226, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 226, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 226, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 226, 239);  
box-shadow:4px 4px 4px 4px rgb(141, 226,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2874, 0.2540, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 226, 239) }
```

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

```
.background{ background-color: rgb(141,  
226, 239) }
```

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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