

# Converting Colors

$Y_{xy}(65.2140, 0.2565, 0.2956)$

Have a look what the booklet for  
Yxy(65.2140, 0.2565, 0.2956)  
contains.

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# Color

**Yxy(65.1318, 0.2566, 0.2961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDCF8
RGB	157, 220, 248
RGB Percent	62%, 86%, 97%
CMY	0.3842, 0.1373, 0.0275
CMYK	0.37, 0.11, 0.00, 0.03
HSL	198°, 87%, 79%
HSV	198°, 37%, 97%
XYZ	56.4432, 65.1318, 98.3906
YIQ	204.3550, -46.5360, -4.6480

# Conversions

## Conversions Part 2

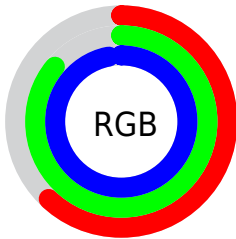
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 194, 248
Decimal	10345720
CIELab	84.55, -13.14, -19.99
CIELCh	85, 23.926, 236.680
Yxy	65.1318, 0.2566, 0.2961
Android (android.graphics.Color)	4288535800 (0xFF9DDCF8)
YUV	204.3550, 21.5170, -41.5303
Hunter-Lab	80.7043, -16.3927, -15.7904

# Details

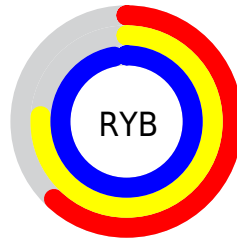
The Yxy color **65.1318, 0.2566, 0.2961** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.0942, 0.3911, 0.3593**, and the grayscale version is **60.5079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **33.5408, 0.2435, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **58.9731, 0.2426, 0.2854**, and if you desaturate by 10%, it is **71.9846, 0.2715, 0.3061**.

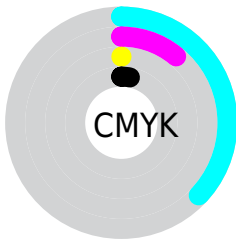
# Distribution



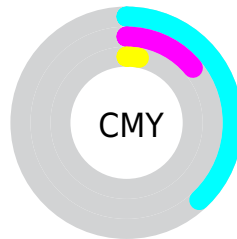
- Red (62%)
- Green (86%)
- Blue (97%)



- Red (62%)
- Yellow (76%)
- Blue (97%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)




- Cyan (38%)
- Magenta (14%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1318, 0.2566, 0.2961 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 65.1318, 0.2566, 0.2961 by changing the saturation by 10% instead.





 65.1318, 0.2566,  
0.2961


 65.1318, 0.2566,  
0.2961

443.2654, 0.2825,  
0.3120

 47.5680, 0.2507,  
0.2923

 112.2393, 0.2656,  
0.3017

 33.4849, 0.2435,  
0.2876


 142.5518, 0.2690,  
0.3039

 22.4981, 0.2344,  
0.2816


177.8826, 0.2721,  
0.3057

 14.2234, 0.2227,  
0.2735

218.6161, 0.2747,  
0.3073

 8.2762, 0.2069,  
0.2623

265.1368, 0.2770,  
0.3087

 4.2722, 0.1848,  
0.2459

317.8290, 0.2790,

 1.8270, 0.1523,

0.3099

0.2197

377.0771, 0.2809,  
0.3110

0.5039, 0.0531,  
0.1691

0.0000, 0.0000,  
0.0000

65.1318, 0.2566,  
0.2961

65.1318, 0.2566,  
0.2961

58.9731, 0.2426,  
0.2854

71.9846, 0.2715,  
0.3061

53.4677, 0.2298,  
0.2741

79.5544, 0.2868,  
0.3154

48.5814, 0.2186,  
0.2625

87.8724, 0.3024,  
0.3238

44.2731, 0.2093,  
0.2506

96.7317, 0.3170,  
0.3314

■ 40.4948, 0.2021,  
0.2388

■ 99.5564, 0.3168,  
0.3357

■ 37.1867, 0.1969,  
0.2272

■ 36.1614, 0.1954,  
0.2234

# Harmonies

## Analogous

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



65.1318, 0.2617, 0.3204



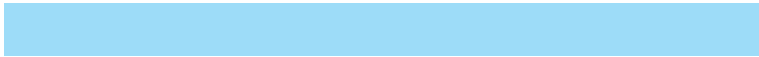
65.1318, 0.2566, 0.2961



65.1318, 0.2655, 0.2821

# Triad

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



65.1318, 0.2566, 0.2961



65.1318, 0.3455, 0.3094



65.1318, 0.3371, 0.3824

# Complementary

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



65.1318, 0.2566, 0.2961



57.0942, 0.3911, 0.3593

# 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.



65.1318, 0.3611, 0.3763



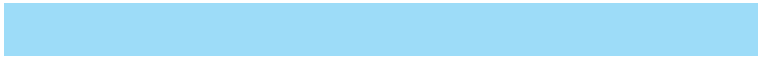
65.1318, 0.2566, 0.2961



65.1318, 0.3664, 0.3337

# Square

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



65.1318, 0.2566, 0.2961



65.1318, 0.3160, 0.2904



65.1318, 0.3721, 0.3580



65.1318, 0.3073, 0.3725



# Rectangle

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



65.1318, 0.2566, 0.2961



65.1318, 0.2786, 0.2796



65.1318, 0.3721, 0.3580



65.1318, 0.3461, 0.3820

# Sweetspot

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



65.1343, 0.2566, 0.2961



89.6793, 0.2956, 0.3203



77.7711, 0.2933, 0.4061



18.9376, 0.2935, 0.3191



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

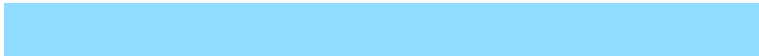


# Same Dimension

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



65.1343, 0.2566, 0.2961



64.4794, 0.2461, 0.2882



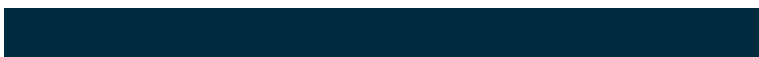
44.6944, 0.2486, 0.2404



18.6545, 0.2980, 0.3215



19.7972, 0.1959, 0.2252



2.0214, 0.1998, 0.2391



# Inverse Universe

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



49.2459, 0.3410, 0.2636



46.0376, 0.3486, 0.2507



78.8685, 0.3742, 0.4041



17.4283, 0.3185, 0.3127



12.4094, 0.4177, 0.2075

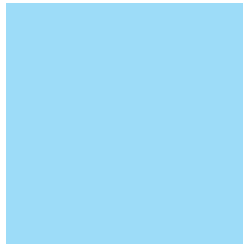


1.1683, 0.4032, 0.1995



# Previews

## White Background



This preview shows how the Yxy color 65.1318, 0.2566, 0.2961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

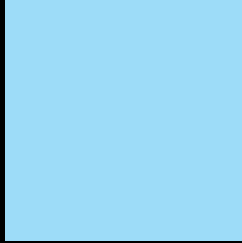
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1318, 0.2566, 0.2961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

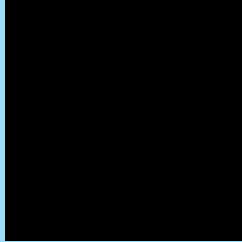
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.1318, 0.2566, 0.2961**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1318, 0.2566, 0.2961.



This preview shows how white text looks on a background with the Yxy color 65.1318, 0.2566, 0.2961.

# 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

65.1318, 0.2566, 0.2961

### Protanopia

64.8713, 0.2893, 0.2946

### Deuteranopia

64.4766, 0.2864, 0.2793



## Tritanopia

64.9135, 0.2602, 0.3074

# Trichromacy



**Original Color**

65.1318, 0.2566, 0.2961

**Protanomaly**

64.7509, 0.2765, 0.2949

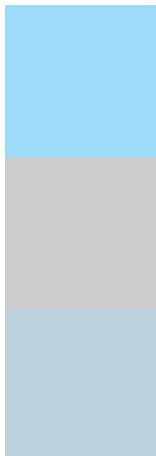
**Deuteranomaly**

64.0717, 0.2741, 0.2842

**Tritanomaly**

65.1916, 0.2592, 0.3040

# Monochromacy



**Original Color**

65.1318, 0.2566, 0.2961

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

61.8253, 0.2896, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1318, 0.2566, 0.2961 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(157, 220, 248)` looks like.

```
.text, #text, p{  
    color:rgb(157, 220, 248)  
}
```

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(157, 220, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 220, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1318, 0.2566, 0.2961 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(157, 220, 248) }
```

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

```
.border{ border-color:rgb(157, 220, 248) }
```

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

Here you see how a box with a 4 pixel rgb(157, 220, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 220, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 220, 248);  
box-shadow:4px 4px 4px 4px rgb(157, 220,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1318, 0.2566, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 220, 248) }
```

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

```
.background{ background-color: rgb(157,  
220, 248) }
```

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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