

# Converting Colors

$Yxy(65.3538, 0.2641, 0.3019)$

Have a look what the booklet for  
Yxy(65.3538, 0.2641, 0.3019)  
contains.

<b>Yxy(65.1808, 0.2645, 0.3020)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(65.1808, 0.2645, 0.3020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6DBF2
RGB	166, 219, 242
RGB Percent	65%, 86%, 95%
CMY	0.3489, 0.1412, 0.0510
CMYK	0.31, 0.09, 0.00, 0.05
HSL	198°, 74%, 80%
HSV	198°, 31%, 95%
XYZ	57.0872, 65.1808, 93.5625
YIQ	205.7750, -38.9710, -4.0830

# Conversions

## Conversions Part 2

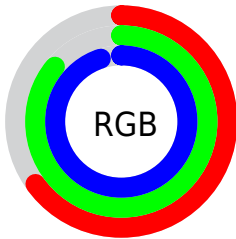
Format	Color
<b>RYB</b>	166, 197, 242
Decimal	10935282
CIELab	84.58, -11.66, -16.73
CIELCh	85, 20.395, 235.133
Yxy	65.1808, 0.2645, 0.3020
Android (android.graphics.Color)	4289125362 (0xFFA6DBF2)
YUV	205.7750, 17.8589, -34.8827
Hunter-Lab	80.7346, -15.0689, -12.1963

# Details

The Yxy color **65.1808, 0.2645, 0.3020** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.0321, 0.3767, 0.3543**, and the grayscale version is **61.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **33.5408, 0.2533, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **59.0716, 0.2501, 0.2918**, and if you desaturate by 10%, it is **71.9553, 0.2796, 0.3115**.

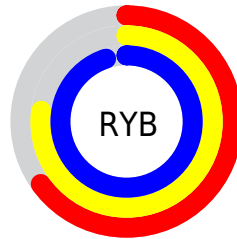
# Distribution



Red (65%)

Green (86%)

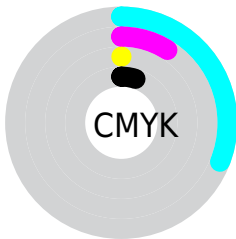
Blue (95%)



Red (65%)

Yellow (77%)

Blue (95%)

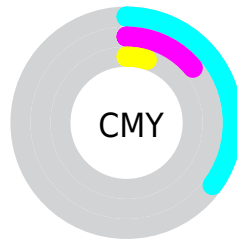


Cyan (31%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (14%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1808, 0.2645, 0.3020 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 65.1808, 0.2645, 0.3020 by changing the saturation by 10% instead.



65.1808, 0.2645,  
0.3020

65.1808, 0.2645,  
0.3020

443.4414, 0.2869,  
0.3150

47.6077, 0.2594,  
0.2989

112.3098, 0.2723,  
0.3066

33.5163, 0.2531,  
0.2950

142.6344, 0.2753,  
0.3084

22.5223, 0.2452,  
0.2900

177.9783, 0.2779,  
0.3099

14.2412, 0.2348,  
0.2833

218.7260, 0.2801,  
0.3112

8.2886, 0.2208,  
0.2740

265.2617, 0.2821,  
0.3123

4.2802, 0.2010,  
0.2601

317.9699, 0.2839,

1.8315, 0.1710,

0.3133

0.2376

377.2350, 0.2854,  
0.3142

0.5067, 0.0746,  
0.1919

0.0000, 0.0000,  
0.0000

65.1808, 0.2645,  
0.3020

65.1808, 0.2645,  
0.3020

59.0716, 0.2501,  
0.2918

71.9553, 0.2796,  
0.3115

53.5901, 0.2367,  
0.2811

79.4150, 0.2951,  
0.3201

48.7064, 0.2247,  
0.2698

87.5882, 0.3106,  
0.3280

44.3842, 0.2144,  
0.2583

94.9840, 0.3208,  
0.3351

■ 40.5823, 0.2061,  
0.2466

■ 99.1898, 0.3203,  
0.3415

■ 37.2514, 0.1999,  
0.2351

■ 34.6940, 0.1959,  
0.2253

# Harmonies

## Analogous

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



65.1808, 0.2696, 0.3232



65.1808, 0.2645, 0.3020



65.1808, 0.2716, 0.2892

# Triad

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



65.1808, 0.2645, 0.3020



65.1808, 0.3395, 0.3113



65.1808, 0.3349, 0.3743

# Complementary

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



65.1808, 0.2645, 0.3020



58.0321, 0.3767, 0.3543

# 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.



65.1808, 0.3548, 0.3689



65.1808, 0.2645, 0.3020



65.1808, 0.3578, 0.3321

# Square

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



65.1808, 0.2645, 0.3020



65.1808, 0.3143, 0.2951



65.1808, 0.3634, 0.3531



65.1808, 0.3096, 0.3665



# Rectangle

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



65.1808, 0.2645, 0.3020



65.1808, 0.2826, 0.2866



65.1808, 0.3634, 0.3531



65.1808, 0.3425, 0.3739

# Sweetspot

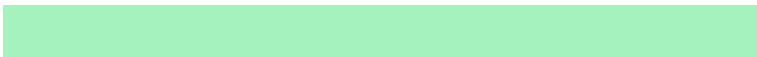
The Sweet Spot groups the original color and five complimentary colors.



65.1834, 0.2645, 0.3020



91.5527, 0.2987, 0.3220



75.2714, 0.2958, 0.3931



19.3171, 0.2965, 0.3209



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

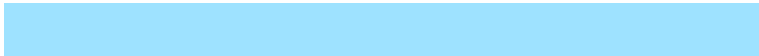


# Same Dimension

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



65.1834, 0.2645, 0.3020



68.7157, 0.2547, 0.2952



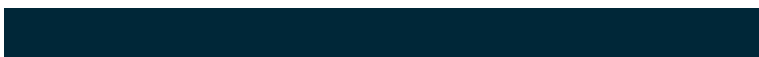
47.6598, 0.2589, 0.2554



17.0744, 0.2981, 0.3217



18.8922, 0.1965, 0.2272



1.7456, 0.2006, 0.2422



# Inverse Universe

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



51.2739, 0.3355, 0.2729



51.2210, 0.3419, 0.2607



76.4541, 0.3646, 0.3931



15.9452, 0.3184, 0.3127



11.7005, 0.4155, 0.2063

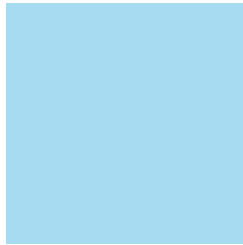


0.9909, 0.4000, 0.1977



# Previews

## White Background



This preview shows how the Yxy color 65.1808, 0.2645, 0.3020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

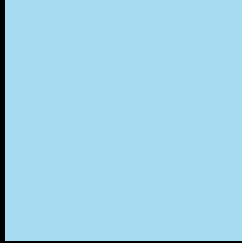
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1808, 0.2645, 0.3020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

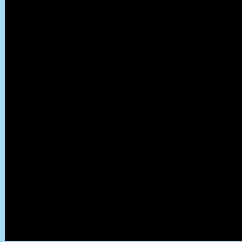
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.1808, 0.2645, 0.3020**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1808, 0.2645, 0.3020.

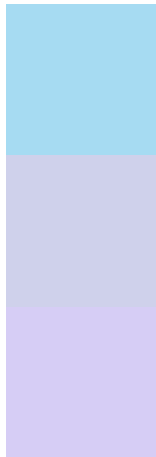


This preview shows how white text looks on a background with the Yxy color 65.1808, 0.2645, 0.3020.

# 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

65.1808, 0.2645, 0.3020

### Protanopia

64.8645, 0.2939, 0.3001

### Deuteranopia

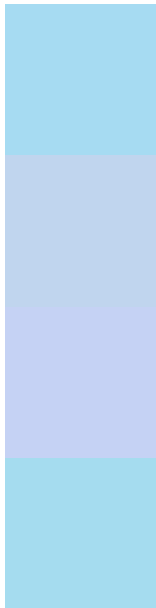
64.5514, 0.2923, 0.2857



## Tritanopia

65.3002, 0.2667, 0.3088

# Trichromacy



**Original Color**

65.1808, 0.2645, 0.3020

**Protanomaly**

64.9680, 0.2821, 0.3006

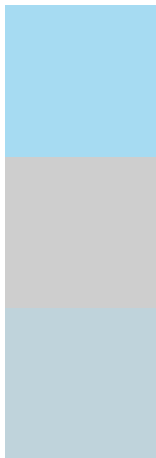
**Deuteranomaly**

64.4952, 0.2815, 0.2910

**Tritanomaly**

65.4177, 0.2656, 0.3065

# Monochromacy



**Original Color**

65.1808, 0.2645, 0.3020

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

62.7794, 0.2930, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1808, 0.2645, 0.3020 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(166, 219, 242)` looks like.

```
.text, #text, p{  
    color:rgb(166, 219, 242)  
}
```

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(166, 219, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 219, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1808, 0.2645, 0.3020 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(166, 219, 242) }
```

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

```
.border{ border-color:rgb(166, 219, 242) }
```

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

Here you see how a box with a 4 pixel rgb(166, 219, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 219, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 219, 242);  
box-shadow:4px 4px 4px 4px rgb(166, 219,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1808, 0.2645, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 219, 242) }
```

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

```
.background{ background-color: rgb(166,  
219, 242) }
```

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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