

# Converting Colors

$Yxy(65.8776, 0.2567, 0.2982)$

Have a look what the booklet for  
Yxy(65.8776, 0.2567, 0.2982)  
contains.

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# **Color**

**Yxy(66.0878, 0.2564, 0.2985)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CDEF8
RGB	156, 222, 248
RGB Percent	61%, 87%, 97%
CMY	0.3883, 0.1294, 0.0276
CMYK	0.37, 0.10, 0.00, 0.03
HSL	197°, 87%, 79%
HSV	197°, 37%, 97%
XYZ	56.7669, 66.0878, 98.5450
YIQ	205.2300, -47.6820, -5.9060

# Conversions

## Conversions Part 2

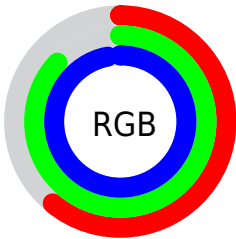
Format	Color
<a href="#">RYB</a>	<a href="#">156, 194, 248</a>
Decimal	<a href="#">10280696</a>
CIELab	<a href="#">85.04, -14.45, -19.25</a>
CIELCh	<a href="#">85, 24.070, 233.104</a>
Yxy	<a href="#">66.0878, 0.2564, 0.2985</a>
Android (android.graphics.Color)	<a href="#">4288470776 (0xFF9CDEF8)</a>
YUV	<a href="#">205.2300, 21.0856, -43.1747</a>
Hunter-Lab	<a href="#">81.2944, -17.6209, -14.9652</a>

# Details

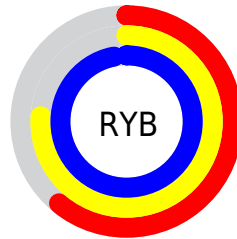
The Yxy color **66.0878, 0.2564, 0.2985** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7786, 0.3933, 0.3572**, and the grayscale version is **61.0878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **34.1525, 0.2429, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **60.2242, 0.2427, 0.2887**, and if you desaturate by 10%, it is **72.6156, 0.2710, 0.3077**.

# Distribution



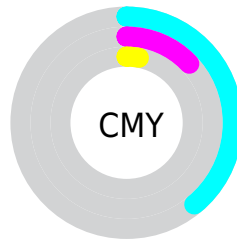
- Red (61%)
- Green (87%)
- Blue (97%)



- Red (61%)
- Yellow (76%)
- Blue (97%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



- Cyan (39%)
- Magenta (13%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0878, 0.2564, 0.2985 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 66.0878, 0.2564, 0.2985 by changing the saturation by 10% instead.



66.0878, 0.2564,  
0.2985

66.0878, 0.2564,  
0.2985

446.6908, 0.2823,  
0.3132

48.3437, 0.2505,  
0.2950

113.6123, 0.2654,  
0.3037

34.0991, 0.2433,  
0.2906

144.1616, 0.2688,  
0.3057

22.9698, 0.2343,  
0.2850

179.7479, 0.2719,  
0.3074

14.5712, 0.2226,  
0.2774

220.7558, 0.2745,  
0.3089

8.5190, 0.2069,  
0.2669

267.5697, 0.2768,  
0.3102

4.4288, 0.1851,  
0.2514

320.5739, 0.2789,

1.9162, 0.1529,

0.3113

0.2267

380.1528, 0.2807,  
0.3123

0.5581, 0.0579,  
0.1820

0.0000, 0.0000,  
0.0000

66.0878, 0.2564,  
0.2985

66.0878, 0.2564,  
0.2985

60.2242, 0.2427,  
0.2887

72.6156, 0.2710,  
0.3077

54.9845, 0.2304,  
0.2784

79.8302, 0.2862,  
0.3162

50.3348, 0.2196,  
0.2678

87.7620, 0.3017,  
0.3239

46.2345, 0.2108,  
0.2571

96.4061, 0.3171,  
0.3310

■ 42.6358, 0.2040,  
0.2463

■ 99.5554, 0.3168,  
0.3357

■ 39.4779, 0.1992,  
0.2357

■ 38.6176, 0.1980,  
0.2327

# Harmonies

## Analogous

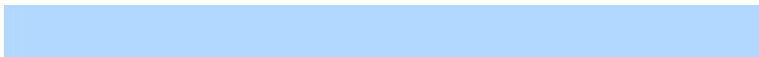
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.0878, 0.2632, 0.3238



66.0878, 0.2564, 0.2985



66.0878, 0.2637, 0.2831

# Triad

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



66.0878, 0.2564, 0.2985



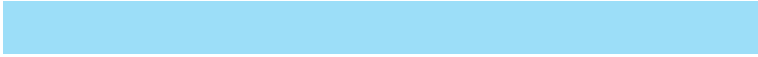
66.0878, 0.3423, 0.3068



66.0878, 0.3404, 0.3825

# Complementary

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



66.0878, 0.2564, 0.2985



55.7786, 0.3933, 0.3572

# 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.



66.0878, 0.3633, 0.3747



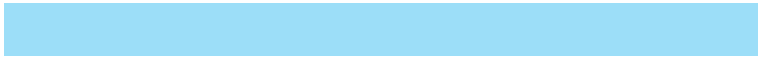
66.0878, 0.2564, 0.2985



66.0878, 0.3647, 0.3307

# Square

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



66.0878, 0.2564, 0.2985



66.0878, 0.3123, 0.2886



66.0878, 0.3724, 0.3553



66.0878, 0.3109, 0.3746



# Rectangle

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



66.0878, 0.2564, 0.2985



66.0878, 0.2758, 0.2796



66.0878, 0.3724, 0.3553



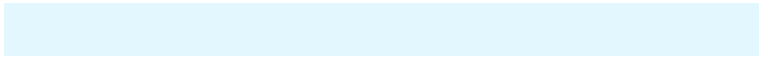
66.0878, 0.3492, 0.3815

# Sweetspot

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



66.0904, 0.2564, 0.2985



90.1166, 0.2956, 0.3210



77.4974, 0.2947, 0.4111



19.0421, 0.2935, 0.3199



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.



66.0904, 0.2564, 0.2985



65.3912, 0.2454, 0.2907



45.4599, 0.2484, 0.2431



18.7322, 0.2980, 0.3221



21.1170, 0.1984, 0.2344



2.1354, 0.2020, 0.2470



# Inverse Universe

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



48.9944, 0.3392, 0.2606



45.3967, 0.3469, 0.2464



77.0176, 0.3760, 0.4021



17.4361, 0.3181, 0.3121



12.5427, 0.4081, 0.2022

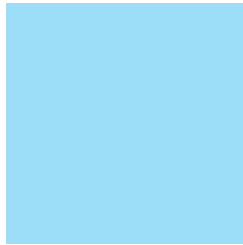


1.1798, 0.3952, 0.1951



# Previews

## White Background



This preview shows how the Yxy color 66.0878, 0.2564, 0.2985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

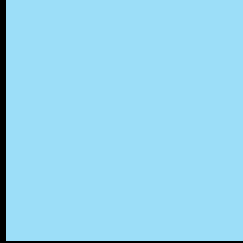
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0878, 0.2564, 0.2985 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 66.0878, 0.2564, 0.2985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0878, 0.2564, 0.2985.

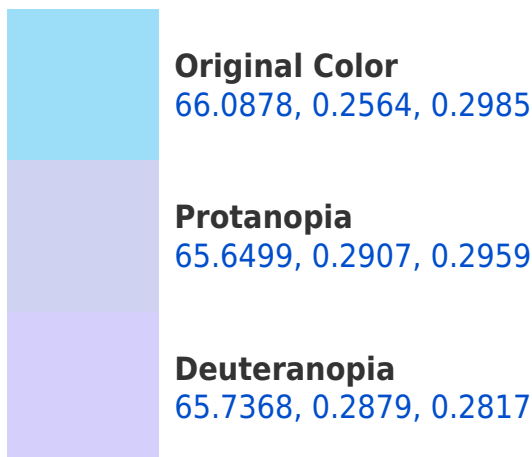


This preview shows how white text looks on a background with the Yxy color 66.0878, 0.2564, 0.2985.

# 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

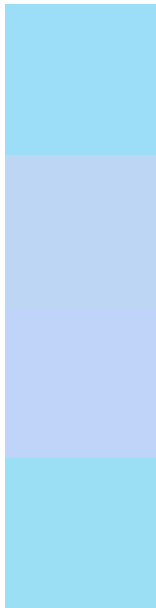




## Tritanopia

65.9963, 0.2590, 0.3075

# Trichromacy



**Original Color**

66.0878, 0.2564, 0.2985

**Protanomaly**

65.2556, 0.2766, 0.2961

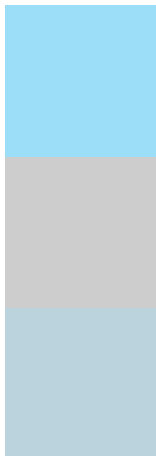
**Deuteranomaly**

65.1956, 0.2749, 0.2866

**Tritanomaly**

66.2756, 0.2580, 0.3041

# Monochromacy



**Original Color**

66.0878, 0.2564, 0.2985

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.3738, 0.2890, 0.3172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0878, 0.2564, 0.2985 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(156, 222, 248)` looks like.

```
.text, #text, p{  
    color:rgb(156, 222, 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(156, 222, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 222, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0878, 0.2564, 0.2985 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(156, 222, 248) }
```

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

```
.border{ border-color:rgb(156, 222, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 222, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 222, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 222, 248);  
box-shadow:4px 4px 4px 4px rgb(156, 222,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0878, 0.2564, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 222, 248) }
```

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

```
.background{ background-color: rgb(156,  
222, 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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