

# Converting Colors

$Yxy(65.0716, 0.2742, 0.3108)$

Have a look what the booklet for  
Yxy(65.0716, 0.2742, 0.3108)  
contains.

<b>Yxy(65.1400, 0.2746, 0.3113)</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(65.1400, 0.2746, 0.3113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFDAE9
RGB	175, 218, 233
RGB Percent	69%, 85%, 91%
CMY	0.3137, 0.1451, 0.0862
CMYK	0.25, 0.06, 0.00, 0.09
HSL	196°, 57%, 80%
HSV	196°, 25%, 91%
XYZ	57.4605, 65.1400, 86.6511
YIQ	206.8530, -30.4430, -4.4510

# Conversions

## Conversions Part 2

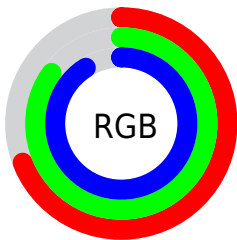
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 200, 233
Decimal	11524841
CIE Lab	84.56, -10.65, -11.97
CIE LCh	85, 16.021, 228.330
Yxy	65.1400, 0.2746, 0.3113
Android (android.graphics.Color)	4289714921 (0xFFAFDAE9)
YUV	206.8530, 12.8905, -27.9351
Hunter-Lab	80.7094, -14.1595, -7.1583

# Details

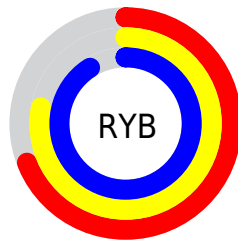
The Yxy color **65.1400, 0.2746, 0.3113** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.2577, 0.3612, 0.3460**, and the grayscale version is **62.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **33.4337, 0.2656, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **59.6031, 0.2600, 0.3031**, and if you desaturate by 10%, it is **71.2612, 0.2897, 0.3189**.

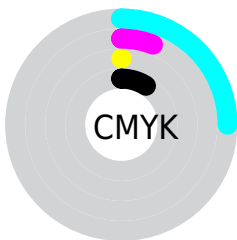
# Distribution



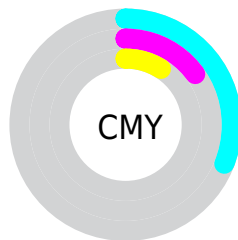
- Red (69%)
- Green (85%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1400, 0.2746, 0.3113 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 65.1400, 0.2746, 0.3113 by changing the saturation by 10% instead.



■ 65.1400, 0.2746,  
0.3113

■ 65.1400, 0.2746,  
0.3113

443.2949, 0.2924,  
0.3199

■ 47.5746, 0.2705,  
0.3092

■ 112.2511, 0.2808,  
0.3144

■ 33.4901, 0.2655,  
0.3067

142.5656, 0.2832,  
0.3155

■ 22.5022, 0.2591,  
0.3033

177.8986, 0.2852,  
0.3165

■ 14.2264, 0.2506,  
0.2988

218.6345, 0.2870,  
0.3174

■ 8.2783, 0.2392,  
0.2924

265.1577, 0.2886,  
0.3181

■ 4.2735, 0.2226,  
0.2828

317.8526, 0.2900,

■ 1.8277, 0.1968,

0.3188

0.2667

377.1035, 0.2912,  
0.3194

0.5044, 0.1009,  
0.2320

0.0000, 0.0000,  
0.0000

65.1400, 0.2746,  
0.3113

65.1400, 0.2746,  
0.3113

59.6031, 0.2600,  
0.3031

71.2612, 0.2897,  
0.3189

54.6176, 0.2464,  
0.2943

77.9823, 0.3052,  
0.3258

50.1589, 0.2340,  
0.2851

85.3277, 0.3206,  
0.3321

46.1970, 0.2233,  
0.2755

90.7263, 0.3268,  
0.3379

■ 42.6982, 0.2143,  
0.2658

■ 94.3791, 0.3262,  
0.3438

■ 39.6237, 0.2074,  
0.2560

■ 98.1514, 0.3256,  
0.3495

■ 36.9260, 0.2024,  
0.2463

■ 98.6645, 0.3256,  
0.3503

■ 35.6579, 0.2004,  
0.2414

# Harmonies

## Analogous

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



65.1400, 0.2808, 0.3289



65.1400, 0.2746, 0.3113



65.1400, 0.2781, 0.2993

# Triad

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



65.1400, 0.2746, 0.3113



65.1400, 0.3296, 0.3117



65.1400, 0.3344, 0.3644

# Complementary

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



65.1400, 0.2746, 0.3113



57.2577, 0.3612, 0.3460

# 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.



65.1400, 0.3482, 0.3583



65.1400, 0.2746, 0.3113



65.1400, 0.3455, 0.3278

# Square

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



65.1400, 0.2746, 0.3113



65.1400, 0.3094, 0.3000



65.1400, 0.3524, 0.3447



65.1400, 0.3150, 0.3605



# Rectangle

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



65.1400, 0.2746, 0.3113



65.1400, 0.2856, 0.2957



65.1400, 0.3524, 0.3447



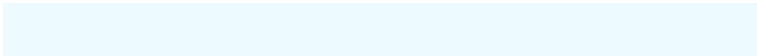
65.1400, 0.3399, 0.3634

# Sweetspot

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



65.1426, 0.2746, 0.3113



93.8576, 0.3019, 0.3244



71.1004, 0.3008, 0.3815



19.9798, 0.3009, 0.3240



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.



65.1426, 0.2746, 0.3113



76.2741, 0.2669, 0.3071



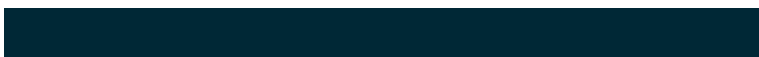
51.6114, 0.2715, 0.2764



16.4235, 0.2981, 0.3228



20.4394, 0.2008, 0.2429



1.7588, 0.2045, 0.2563



# Inverse Universe

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



53.0493, 0.3277, 0.2822



59.3097, 0.3316, 0.2721



70.8336, 0.3538, 0.3766



15.2433, 0.3177, 0.3117



11.5562, 0.3993, 0.1973

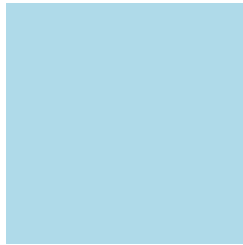


0.9230, 0.3860, 0.1900



# Previews

## White Background



This preview shows how the Yxy color 65.1400, 0.2746, 0.3113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

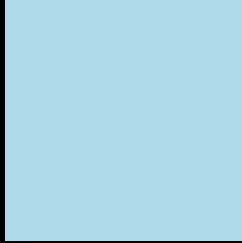
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1400, 0.2746, 0.3113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

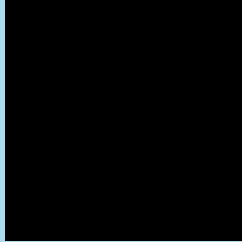
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.1400, 0.2746, 0.3113**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1400, 0.2746, 0.3113.

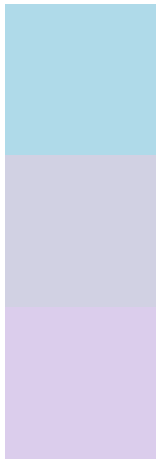


This preview shows how white text looks on a background with the Yxy color 65.1400, 0.2746, 0.3113.

# 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**

65.1400, 0.2746, 0.3113

**Protanopia**

64.7023, 0.3005, 0.3088

**Deuteranopia**

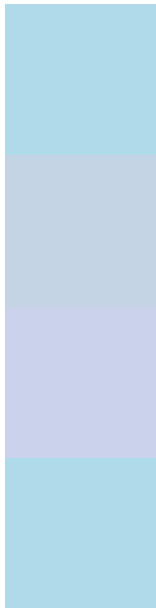
64.7788, 0.3018, 0.2953



## Tritanopia

65.2549, 0.2735, 0.3090

# Trichromacy



## Original Color

65.1400, 0.2746, 0.3113

## Protanomaly

64.6144, 0.2909, 0.3096

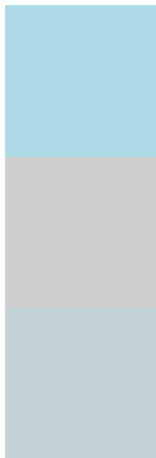
## Deuteranomaly

64.7879, 0.2911, 0.3010

## Tritanomaly

65.1973, 0.2740, 0.3102

# Monochromacy



## Original Color

65.1400, 0.2746, 0.3113

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.1485, 0.2978, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1400, 0.2746, 0.3113 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(175, 218, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 218, 233)  
}
```

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(175, 218, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 218, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1400, 0.2746, 0.3113 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(175, 218, 233) }
```

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

```
.border{ border-color:rgb(175, 218, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 218, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 218, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 218, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 218,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1400, 0.2746, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 218, 233) }
```

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

```
.background{ background-color: rgb(175,  
218, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor