

# Converting Colors

$Yxy(65.0822, 0.2689, 0.3060)$

Have a look what the booklet for  
Yxy(65.0822, 0.2689, 0.3060)  
contains.

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# Color

**Yxy(64.8619, 0.2688, 0.3055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AADAEE
RGB	170, 218, 238
RGB Percent	67%, 85%, 93%
CMY	0.3335, 0.1450, 0.0668
CMYK	0.29, 0.08, 0.00, 0.07
HSL	198°, 67%, 80%
HSV	198°, 29%, 93%
XYZ	57.0700, 64.8619, 90.3820
YIQ	205.9280, -35.0280, -3.9560

# Conversions

## Conversions Part 2

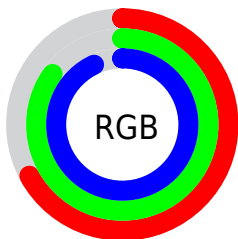
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 198, 238
Decimal	11197166
CIELab	84.41, -10.99, -14.84
CIELCh	84, 18.466, 233.464
Yxy	64.8619, 0.2688, 0.3055
Android (android.graphics.Color)	4289387246 (0xFFAADAEE)
YUV	205.9280, 15.8115, -31.5089
Hunter-Lab	80.5369, -14.4510, -10.1620

# Details

The Yxy color **64.8619, 0.2688, 0.3055** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.8602, 0.3697, 0.3513**, and the grayscale version is **61.5814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **33.2848, 0.2585, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **58.9033, 0.2542, 0.2959**, and if you desaturate by 10%, it is **71.4582, 0.2840, 0.3144**.

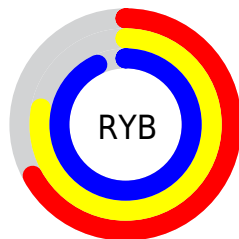
# Distribution



Red (67%)

Green (85%)

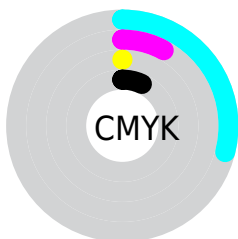
Blue (93%)



Red (67%)

Yellow (78%)

Blue (93%)

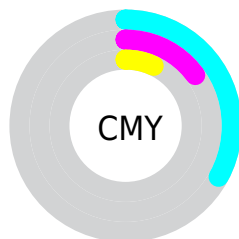


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (15%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8619, 0.2688, 0.3055 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 64.8619, 0.2688, 0.3055 by changing the saturation by 10% instead.





 64.8619, 0.2688,  
0.3055

 64.8619, 0.2688,  
0.3055

442.2955, 0.2892,  
0.3169

 47.3491, 0.2641,  
0.3028

 111.8513, 0.2759,  
0.3095

 33.3117, 0.2583,  
0.2994


142.0967, 0.2787,  
0.3111

 22.3654, 0.2510,  
0.2950


177.3550, 0.2810,  
0.3124

 14.1256, 0.2415,  
0.2891

218.0108, 0.2831,  
0.3135

 8.2081, 0.2285,  
0.2809

264.4483, 0.2849,  
0.3145

 4.2284, 0.2099,  
0.2685

317.0520, 0.2865,

 1.8021, 0.1813,

0.3154

0.2481

376.2063, 0.2879,  
0.3162

0.4885, 0.0820,  
0.2045

0.0000, 0.0000,  
0.0000

64.8619, 0.2688,  
0.3055

64.8619, 0.2688,  
0.3055

58.9033, 0.2542,  
0.2959

71.4582, 0.2840,  
0.3144

53.5469, 0.2406,  
0.2856

78.7103, 0.2994,  
0.3226

48.7650, 0.2283,  
0.2749

86.6448, 0.3149,  
0.3300

44.5242, 0.2177,  
0.2638

93.3106, 0.3234,  
0.3368

■ 40.7865, 0.2090,  
0.2525

■ 97.6369, 0.3228,  
0.3434

■ 37.5075, 0.2023,  
0.2414

■ 98.9517, 0.3226,  
0.3454

■ 34.6234, 0.1975,  
0.2304

■ 34.2354, 0.1969,  
0.2288

# Harmonies

## Analogous

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



64.8619, 0.2741, 0.3250



64.8619, 0.2688, 0.3055



64.8619, 0.2747, 0.2933

# Triad

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



64.8619, 0.2688, 0.3055



64.8619, 0.3358, 0.3120



64.8619, 0.3341, 0.3701

# Complementary

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



64.8619, 0.2688, 0.3055



57.8602, 0.3697, 0.3513

# 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.



64.8619, 0.3517, 0.3646



64.8619, 0.2688, 0.3055



64.8619, 0.3529, 0.3309

# Square

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



64.8619, 0.2688, 0.3055



64.8619, 0.3129, 0.2975



64.8619, 0.3587, 0.3500



64.8619, 0.3112, 0.3636



# Rectangle

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



64.8619, 0.2688, 0.3055



64.8619, 0.2844, 0.2904



64.8619, 0.3587, 0.3500



64.8619, 0.3408, 0.3695

# Sweetspot

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



64.8645, 0.2688, 0.3055



91.6832, 0.2987, 0.3223



73.3600, 0.2979, 0.3878



19.3494, 0.2965, 0.3211



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

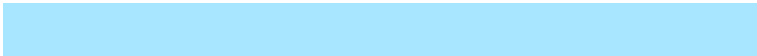


# Same Dimension

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



64.8645, 0.2688, 0.3055



71.9288, 0.2606, 0.3002



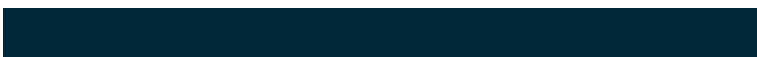
49.2796, 0.2645, 0.2645



17.1000, 0.2981, 0.3219



19.3386, 0.1974, 0.2305



1.7800, 0.2014, 0.2451



# Inverse Universe

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



51.9663, 0.3324, 0.2774



55.0648, 0.3373, 0.2672



73.9760, 0.3599, 0.3861



15.9478, 0.3183, 0.3125



11.7456, 0.4121, 0.2044

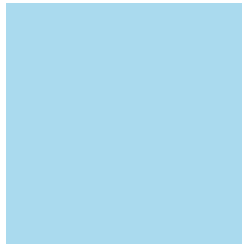


0.9944, 0.3972, 0.1962



# Previews

## White Background



This preview shows how the Yxy color 64.8619, 0.2688, 0.3055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

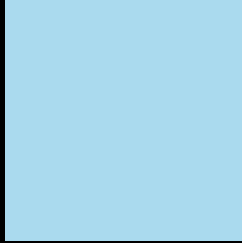
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8619, 0.2688, 0.3055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

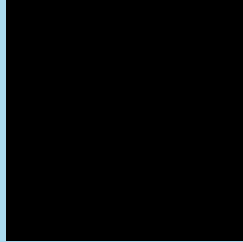
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8619, 0.2688, 0.3055**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8619, 0.2688, 0.3055.

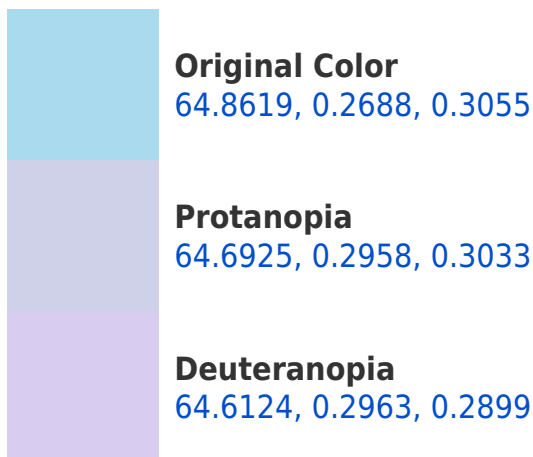


This preview shows how white text looks on a background with the Yxy color 64.8619, 0.2688, 0.3055.

# 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

64.6340, 0.2693, 0.3077

# Trichromacy



## Original Color

64.8619, 0.2688, 0.3055

## Protanomaly

64.4968, 0.2857, 0.3039

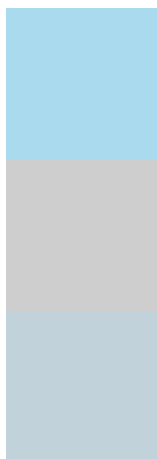
## Deuteranomaly

64.5266, 0.2853, 0.2954

## Tritanomaly

64.6922, 0.2688, 0.3066

# Monochromacy



## Original Color

64.8619, 0.2688, 0.3055

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.4926, 0.2951, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8619, 0.2688, 0.3055 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(170, 218, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 218, 238)  
}
```

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(170, 218, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 218, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8619, 0.2688, 0.3055 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(170, 218, 238) }
```

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

```
.border{ border-color:rgb(170, 218, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 218, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 218, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 218, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 218,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8619, 0.2688, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 218, 238) }
```

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

```
.background{ background-color: rgb(170,  
218, 238) }
```

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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