

# Converting Colors

Yxy(65.5688, 0.2717, 0.2981)

Have a look what the booklet for  
Yxy(65.5688, 0.2717, 0.2981)  
contains.

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# Color

**Yxy(65.2861, 0.2718, 0.2980)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D8F3
RGB	180, 216, 243
RGB Percent	71%, 85%, 95%
CMY	0.2943, 0.1529, 0.0471
CMYK	0.26, 0.11, 0.00, 0.05
HSL	206°, 72%, 83%
HSV	206°, 26%, 95%
XYZ	59.5462, 65.2861, 94.2486
YIQ	208.3140, -30.1230, 0.7650

# Conversions

## Conversions Part 2

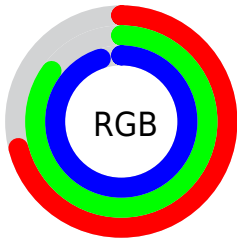
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	180, 203, 243
Decimal	11852019
CIE Lab	84.63, -5.92, -17.10
CIE LCh	85, 18.099, 250.907
Yxy	65.2861, 0.2718, 0.2980
Android (android.graphics.Color)	4290042099 (0xFFB4D8F3)
YUV	208.3140, 17.1002, -24.8314
Hunter-Lab	80.7998, -9.8524, -12.5987

# Details

The Yxy color **65.2861, 0.2718, 0.2980** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.9371, 0.3610, 0.3581**, and the grayscale version is **63.1884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **33.5132, 0.2620, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **57.4636, 0.2559, 0.2839**, and if you desaturate by 10%, it is **73.9622, 0.2878, 0.3109**.

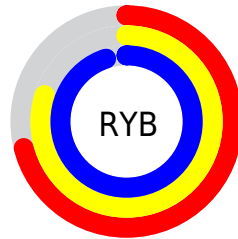
# Distribution



Red (71%)

Green (85%)

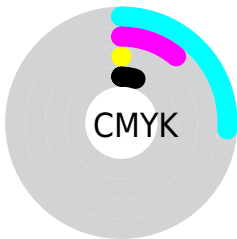
Blue (95%)



Red (71%)

Yellow (80%)

Blue (95%)

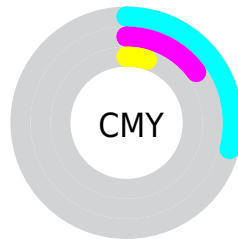


Cyan (26%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (29%)

Magenta (15%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2861, 0.2718, 0.2980 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 65.2861, 0.2718, 0.2980 by changing the saturation by 10% instead.



■ 65.2861, 0.2718,  
0.2980

■ 65.2861, 0.2718,  
0.2980

443.8194, 0.2908,  
0.3127

■ 47.6931, 0.2674,  
0.2946

■ 112.4611, 0.2784,  
0.3032

■ 33.5839, 0.2620,  
0.2903

142.8119, 0.2810,  
0.3052

■ 22.5741, 0.2552,  
0.2848

178.1840, 0.2832,  
0.3069

■ 14.2794, 0.2463,  
0.2776

218.9620, 0.2851,  
0.3083

■ 8.3152, 0.2342,  
0.2676

265.5301, 0.2868,  
0.3096

■ 4.2973, 0.2168,  
0.2529

318.2727, 0.2883,

■ 1.8412, 0.1902,

0.3108

0.2296

377.5744, 0.2896,  
0.3118

0.5127, 0.1205,  
0.1802

0.0000, 0.0000,  
0.0000

65.2861, 0.2718,  
0.2980

65.2861, 0.2718,  
0.2980

57.4636, 0.2559,  
0.2839

73.9622, 0.2878,  
0.3109

50.4538, 0.2405,  
0.2687

83.5147, 0.3036,  
0.3226

44.2241, 0.2260,  
0.2527

93.9754, 0.3189,  
0.3331

38.7355, 0.2129,  
0.2361

99.2505, 0.3197,  
0.3405

■ 33.9449, 0.2016,  
0.2192

■ 29.8028, 0.1925,  
0.2025

■ 26.2491, 0.1857,  
0.1863

■ 24.9397, 0.1833,  
0.1799

# Harmonies

## Analogous

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



65.2861, 0.2706, 0.3134



65.2861, 0.2718, 0.2980



65.2861, 0.2836, 0.2914

# Triad

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



65.2861, 0.2718, 0.2980



65.2861, 0.3461, 0.3228



65.2861, 0.3209, 0.3669

# Complementary

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



65.2861, 0.2718, 0.2980



66.9371, 0.3610, 0.3581

# 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.



65.2861, 0.3418, 0.3683



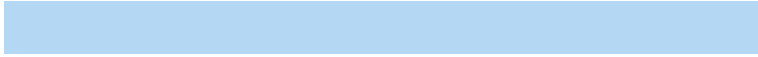
65.2861, 0.2718, 0.2980



65.2861, 0.3568, 0.3420

# Square

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



65.2861, 0.2718, 0.2980



65.2861, 0.3263, 0.3057



65.2861, 0.3551, 0.3588



65.2861, 0.2984, 0.3542



# Rectangle

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



65.2861, 0.2718, 0.2980



65.2861, 0.2961, 0.2923



65.2861, 0.3551, 0.3588



65.2861, 0.3284, 0.3687

# Sweetspot

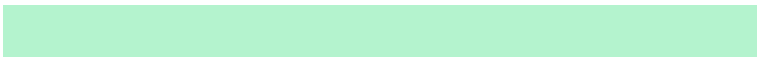
The Sweet Spot groups the original color and five complimentary colors.



65.2887, 0.2718, 0.2980



90.8905, 0.3003, 0.3203



78.2603, 0.2944, 0.3715



19.1032, 0.2979, 0.3186



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

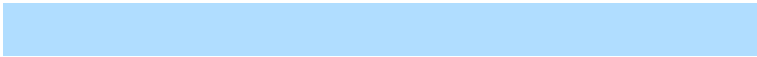


# Same Dimension

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



65.2887, 0.2718, 0.2980



68.2491, 0.2636, 0.2909



50.9530, 0.2683, 0.2610



17.5008, 0.2980, 0.3186



13.9620, 0.1840, 0.1824



1.4308, 0.1896, 0.2025



# Inverse Universe

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



56.6358, 0.3372, 0.2908



57.5208, 0.3435, 0.2829



83.3428, 0.3532, 0.3889



16.6414, 0.3204, 0.3155



11.5088, 0.4657, 0.2339

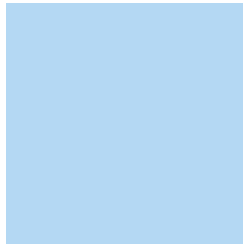


1.0321, 0.4425, 0.2211



# Previews

## White Background



This preview shows how the Yxy color 65.2861, 0.2718, 0.2980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

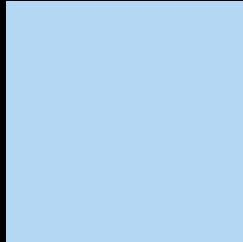
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2861, 0.2718, 0.2980 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

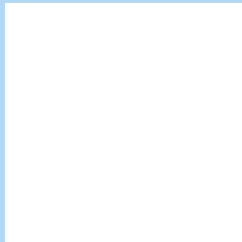
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2861, 0.2718, 0.2980**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2861, 0.2718, 0.2980.



This preview shows how white text looks on a background with the Yxy color 65.2861, 0.2718, 0.2980.

# 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

65.2861, 0.2718, 0.2980

### Protanopia

64.9547, 0.2907, 0.2958

### Deuteranopia

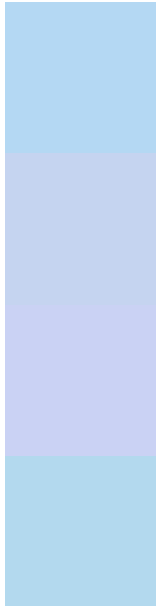
65.1823, 0.2930, 0.2869



## Tritanopia

65.0888, 0.2752, 0.3080

# Trichromacy



## Original Color

65.2861, 0.2718, 0.2980

## Protanomaly

65.2486, 0.2841, 0.2975

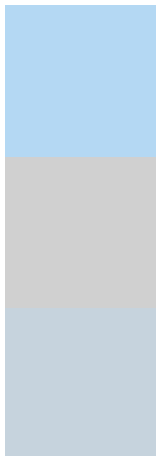
## Deuteranomaly

65.1814, 0.2849, 0.2913

## Tritanomaly

65.3825, 0.2741, 0.3046

# Monochromacy



## Original Color

65.2861, 0.2718, 0.2980

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.8148, 0.2966, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2861, 0.2718, 0.2980 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(180, 216, 243)` looks like.

```
.text, #text, p{  
    color:rgb(180, 216, 243)  
}
```

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(180, 216, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 216, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2861, 0.2718, 0.2980 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(180, 216, 243) }
```

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

```
.border{ border-color:rgb(180, 216, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 216, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 216, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 216, 243);  
box-shadow:4px 4px 4px 4px rgb(180, 216,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2861, 0.2718, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 216, 243) }
```

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

```
.background{ background-color: rgb(180,  
216, 243) }
```

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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