

# Converting Colors

$Yxy(69.8992, 0.2684, 0.2962)$

Have a look what the booklet for  
Yxy(69.8992, 0.2684, 0.2962)  
contains.

<b>Yxy(69.8123, 0.2684, 0.2955)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(69.8123, 0.2684, 0.2955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6DFFD
RGB	182, 223, 253
RGB Percent	71%, 87%, 99%
CMY	0.2861, 0.1255, 0.0080
CMYK	0.28, 0.12, 0.00, 0.01
HSL	205°, 95%, 85%
HSV	205°, 28%, 99%
XYZ	63.4099, 69.8123, 103.0293
YIQ	214.1610, -34.0660, 0.6380

# Conversions

## Conversions Part 2

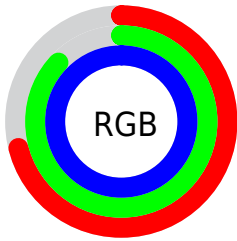
Format	Color
<b>RYB</b>	182, 208, 253
Decimal	11984893
CIELab	86.90, -6.66, -18.93
CIELCh	87, 20.065, 250.613
Yxy	69.8123, 0.2684, 0.2955
Android (android.graphics.Color)	4290174973 (0xFFB6DFFD)
YUV	214.1610, 19.1476, -28.2052
Hunter-Lab	83.5538, -10.7534, -14.6222

# Details

The Yxy color **69.8123, 0.2684, 0.2955** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.3415, 0.3660, 0.3602**, and the grayscale version is **67.2499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **36.5028, 0.2581, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **61.4761, 0.2526, 0.2813**, and if you desaturate by 10%, it is **79.0708, 0.2844, 0.3085**.

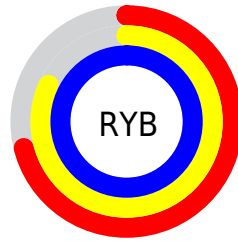
# Distribution



Red (71%)

Green (87%)

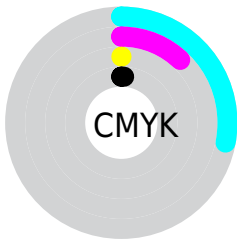
Blue (99%)



Red (71%)

Yellow (82%)

Blue (99%)

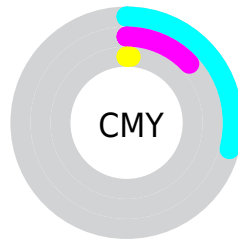


Cyan (28%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (29%)

Magenta (13%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8123, 0.2684, 0.2955 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 69.8123, 0.2684, 0.2955 by changing the saturation by 10% instead.



69.8123, 0.2684,  
0.2955

69.8123, 0.2684,  
0.2955

459.8907, 0.2887,  
0.3112

51.3735, 0.2638,  
0.2919

118.9410, 0.2754,  
0.3010

36.5060, 0.2582,  
0.2874

150.3998, 0.2782,  
0.3031

24.8252, 0.2511,  
0.2817

186.9673, 0.2805,  
0.3049

15.9469, 0.2419,  
0.2743

229.0281, 0.2826,  
0.3065

9.4866, 0.2296,  
0.2641

276.9664, 0.2844,  
0.3079

5.0599, 0.2124,  
0.2495

331.1667, 0.2860,

2.2824, 0.1868,

0.3091

0.2270

392.0133, 0.2874,  
0.3102

0.7644, 0.1395,  
0.1891

0.0000, 0.0000,  
0.0000

69.8123, 0.2684,  
0.2955

69.8123, 0.2684,  
0.2955

61.4761, 0.2526,  
0.2813

79.0708, 0.2844,  
0.3085

54.0173, 0.2374,  
0.2661

89.2774, 0.3003,  
0.3204

47.3992, 0.2232,  
0.2501

99.8695, 0.3139,  
0.3309

41.5783, 0.2105,  
0.2336

■ 36.5059, 0.1998,  
0.2169

■ 32.1256, 0.1912,  
0.2005

■ 28.3632, 0.1849,  
0.1846

■ 27.6781, 0.1838,  
0.1815

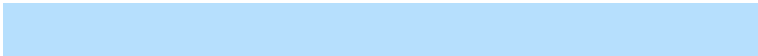
# Harmonies

## Analogous

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



69.8123, 0.2672, 0.3122



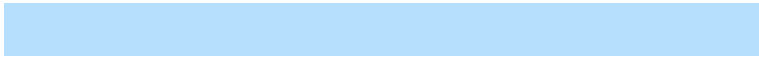
69.8123, 0.2684, 0.2955



69.8123, 0.2810, 0.2883

# Triad

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



69.8123, 0.2684, 0.2955



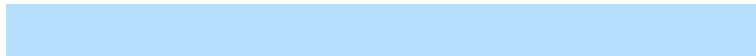
69.8123, 0.3488, 0.3220



69.8123, 0.3217, 0.3703

# Complementary

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



69.8123, 0.2684, 0.2955



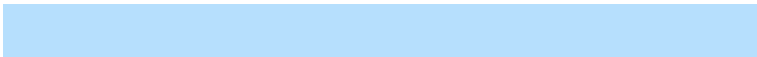
71.3415, 0.3660, 0.3602

# 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.



69.8123, 0.3444, 0.3715



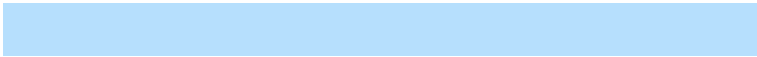
69.8123, 0.2684, 0.2955



69.8123, 0.3605, 0.3428

# Square

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



69.8123, 0.2684, 0.2955



69.8123, 0.3271, 0.3036



69.8123, 0.3588, 0.3610

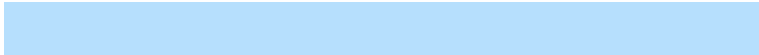


69.8123, 0.2973, 0.3565



# Rectangle

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



69.8123, 0.2684, 0.2955



69.8123, 0.2944, 0.2893



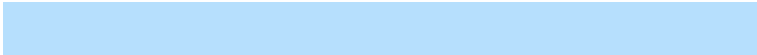
69.8123, 0.3588, 0.3610



69.8123, 0.3298, 0.3721

# Sweetspot

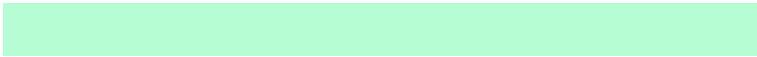
The Sweet Spot groups the original color and five complimentary colors.



69.8151, 0.2684, 0.2955



90.9584, 0.3003, 0.3204



84.9095, 0.2930, 0.3756



19.1203, 0.2979, 0.3187



0.0000, 0.0000, 0.0000

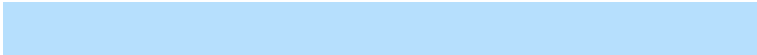


21.4041, 0.3127, 0.3290

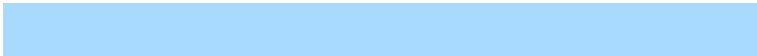


# Same Dimension

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



69.8151, 0.2684, 0.2955



65.9148, 0.2589, 0.2872



52.9836, 0.2641, 0.2545



19.1203, 0.2979, 0.3187



15.0234, 0.1845, 0.1841



1.6792, 0.1895, 0.2021



# Inverse Universe

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



59.6749, 0.3394, 0.2871



54.4577, 0.3470, 0.2779



90.8082, 0.3567, 0.3940



18.1630, 0.3203, 0.3154



12.2446, 0.4637, 0.2328

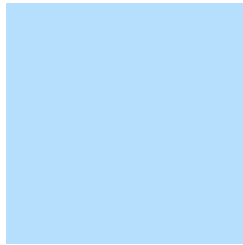


1.2141, 0.4429, 0.2213



# Previews

## White Background



This preview shows how the Yxy color 69.8123, 0.2684, 0.2955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

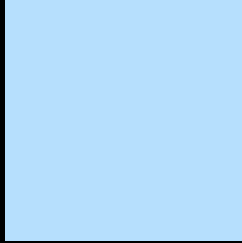
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8123, 0.2684, 0.2955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

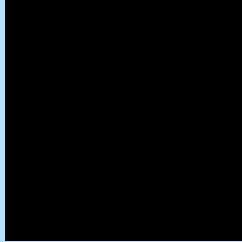
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

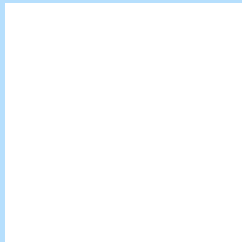
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8123, 0.2684, 0.2955**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8123, 0.2684, 0.2955.



This preview shows how white text looks on a background with the Yxy color 69.8123, 0.2684, 0.2955.

# 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

69.8123, 0.2684, 0.2955

### Protanopia

69.3752, 0.2894, 0.2935

### Deuteranopia

69.5226, 0.2903, 0.2839



## Tritanopia

70.0248, 0.2728, 0.3085

# Trichromacy



**Original Color**

69.8123, 0.2684, 0.2955

**Protanomaly**

69.4624, 0.2811, 0.2941

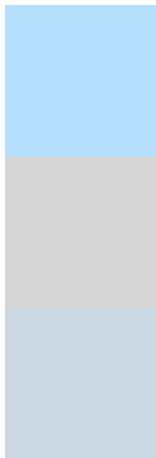
**Deuteranomaly**

69.3893, 0.2819, 0.2881

**Tritanomaly**

69.8505, 0.2711, 0.3030

# Monochromacy



**Original Color**

69.8123, 0.2684, 0.2955

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

67.7837, 0.2951, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8123, 0.2684, 0.2955 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(182, 223, 253)` looks like.

```
.text, #text, p{  
    color:rgb(182, 223, 253)  
}
```

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(182, 223, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 223, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8123, 0.2684, 0.2955 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(182, 223, 253) }
```

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

```
.border{ border-color:rgb(182, 223, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 223, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 223, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 223, 253);  
box-shadow:4px 4px 4px 4px rgb(182, 223,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8123, 0.2684, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 223, 253) }
```

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

```
.background{ background-color: rgb(182,  
223, 253) }
```

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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