

# Converting Colors

Yxy(69.7994, 0.2696, 0.2922)

Have a look what the booklet for  
Yxy(69.7994, 0.2696, 0.2922)  
contains.

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# **Color**

**Yxy(69.9017, 0.2695, 0.2924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADEFF
RGB	186, 222, 255
RGB Percent	73%, 87%, 100%
CMY	0.2705, 0.1294, 0.0000
CMYK	0.27, 0.13, 0.00, 0.00
HSL	209°, 100%, 86%
HSV	209°, 27%, 100%
XYZ	64.4272, 69.9017, 104.7330
YIQ	214.9980, -32.0490, 2.6310

# Conversions

## Conversions Part 2

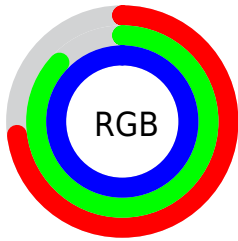
Format	Color
R <sub>Y</sub> B	186, 210, 255
Decimal	12246783
CIE Lab	86.95, -4.53, -19.93
CIE LCh	87, 20.436, 257.205
Yxy	69.9017, 0.2695, 0.2924
Android (android.graphics.Color)	4290436863 (0xFFBADEFF)
YUV	214.9980, 19.7210, -25.4312
Hunter-Lab	83.6072, -8.7617, -15.7463

# Details

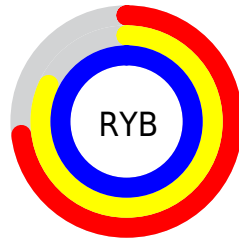
The Yxy color **69.9017, 0.2695, 0.2924** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.4768, 0.3627, 0.3629**, and the grayscale version is **67.8352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **36.5399, 0.2594, 0.2841** is the 20% darker color. If you saturate the color by 10%, you get **60.7407, 0.2532, 0.2764**, and if you desaturate by 10%, it is **80.1025, 0.2858, 0.3072**.

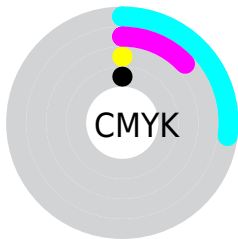
# Distribution



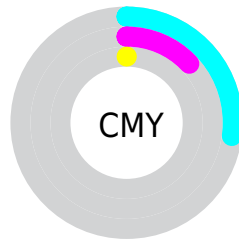
- Red (73%)
- Green (87%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9017, 0.2695, 0.2924 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 69.9017, 0.2695, 0.2924 by changing the saturation by 10% instead.



69.9017, 0.2695,  
0.2924

69.9017, 0.2695,  
0.2924

460.2048, 0.2894,  
0.3095

51.4464, 0.2650,  
0.2885

119.0686, 0.2763,  
0.2983

36.5640, 0.2595,  
0.2837

150.5489, 0.2790,  
0.3006

24.8701, 0.2526,  
0.2776

187.1397, 0.2813,  
0.3026

15.9803, 0.2436,  
0.2696

229.2254, 0.2833,  
0.3043

9.5102, 0.2316,  
0.2588

277.1904, 0.2851,  
0.3059

5.0754, 0.2148,  
0.2434

331.4190, 0.2867,

2.2916, 0.1897,

0.3072

0.2200

392.2957, 0.2881,  
0.3084

0.7693, 0.1458,  
0.1807

0.0000, 0.0000,  
0.0000

69.9017, 0.2695,  
0.2924

69.9017, 0.2695,  
0.2924

60.7407, 0.2532,  
0.2764

80.1025, 0.2858,  
0.3072

52.5777, 0.2372,  
0.2591

91.3792, 0.3018,  
0.3205

45.3701, 0.2222,  
0.2408

100.0000, 0.3127,  
0.3290

39.0704, 0.2085,  
0.2220

■ 33.6262, 0.1967,  
0.2031

■ 28.9769, 0.1872,  
0.1845

■ 25.0481, 0.1801,  
0.1669

■ 23.9984, 0.1783,  
0.1618

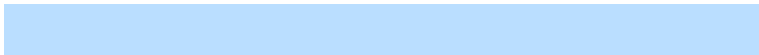
# Harmonies

## Analogous

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



69.9017, 0.2656, 0.3074



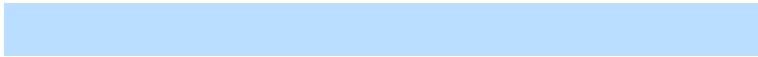
69.9017, 0.2695, 0.2924



69.9017, 0.2845, 0.2874

# Triad

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



69.9017, 0.2695, 0.2924



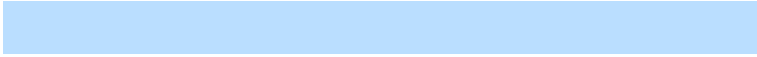
69.9017, 0.3531, 0.3265



69.9017, 0.3163, 0.3690

# Complementary

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



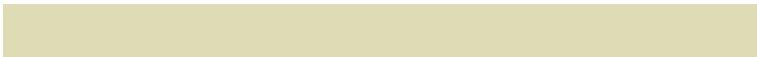
69.9017, 0.2695, 0.2924



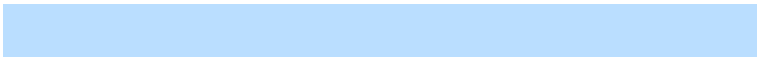
75.4768, 0.3627, 0.3629

# 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.



69.9017, 0.3404, 0.3732



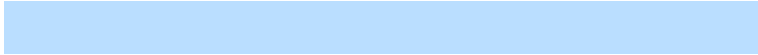
69.9017, 0.2695, 0.2924



69.9017, 0.3622, 0.3475

# Square

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



69.9017, 0.2695, 0.2924



69.9017, 0.3328, 0.3069



69.9017, 0.3574, 0.3648

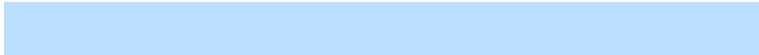


69.9017, 0.2920, 0.3526



# Rectangle

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



69.9017, 0.2695, 0.2924



69.9017, 0.2993, 0.2900



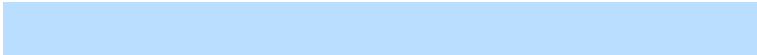
69.9017, 0.3574, 0.3648



69.9017, 0.3247, 0.3719

# Sweetspot

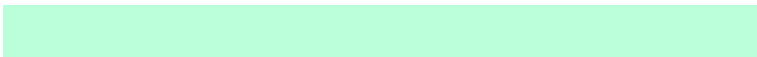
The Sweet Spot groups the original color and five complimentary colors.



69.9022, 0.2695, 0.2924



90.2649, 0.3003, 0.3193



87.0336, 0.2918, 0.3698



18.9456, 0.2979, 0.3173



0.0000, 0.0000, 0.0000

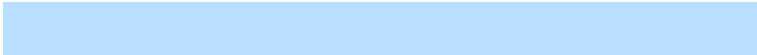


21.4041, 0.3127, 0.3290

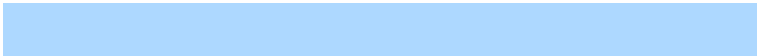


# Same Dimension

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



69.9022, 0.2695, 0.2924



65.2431, 0.2614, 0.2846



53.7611, 0.2657, 0.2534



18.9456, 0.2979, 0.3173



12.8408, 0.1791, 0.1647



1.4691, 0.1846, 0.1846



# Inverse Universe

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



61.6573, 0.3414, 0.2924



56.2568, 0.3483, 0.2854



94.8673, 0.3543, 0.3948



18.1454, 0.3212, 0.3167



12.0243, 0.4873, 0.2458

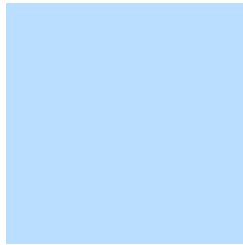


1.1929, 0.4631, 0.2325



# Previews

## White Background



This preview shows how the Yxy color 69.9017, 0.2695, 0.2924 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

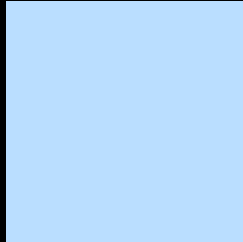
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9017, 0.2695, 0.2924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

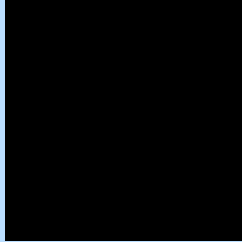
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

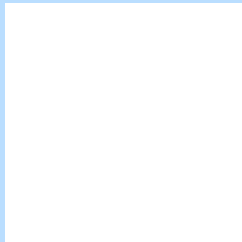
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9017, 0.2695, 0.2924**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9017, 0.2695, 0.2924.



This preview shows how white text looks on a background with the Yxy color 69.9017, 0.2695, 0.2924.

# 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

69.9017, 0.2695, 0.2924

### Protanopia

69.9257, 0.2869, 0.2915

### Deuteranopia

69.3670, 0.2897, 0.2838



## Tritanopia

69.7894, 0.2750, 0.3085

# Trichromacy



## Original Color

69.9017, 0.2695, 0.2924

## Protanomaly

69.7276, 0.2806, 0.2921

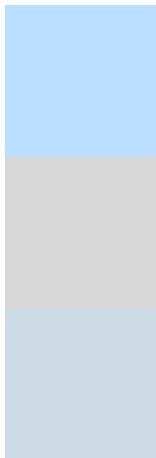
## Deuteranomaly

69.5971, 0.2820, 0.2871

## Tritanomaly

69.6811, 0.2728, 0.3020

# Monochromacy



## Original Color

69.9017, 0.2695, 0.2924

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.6933, 0.2952, 0.3156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9017, 0.2695, 0.2924 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(186, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 255)  
}
```

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(186, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9017, 0.2695, 0.2924 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(186, 222, 255) }
```

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

```
.border{ border-color:rgb(186, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 222, 255); box-shadow:4px 4px 4px 4px rgb(186, 222, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9017, 0.2695, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 255) }
```

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

```
.background{ background-color: rgb(186,  
222, 255) }
```

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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