

# Converting Colors

$Yxy(70.8750, 0.2597, 0.2839)$

Have a look what the booklet for  
Yxy(70.8750, 0.2597, 0.2839)  
contains.

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# **Color**

**Yxy(69.9963, 0.2651, 0.2943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E0FF
RGB	178, 224, 255
RGB Percent	70%, 88%, 100%
CMY	0.3023, 0.1215, 0.0000
CMYK	0.30, 0.12, 0.00, 0.00
HSL	204°, 100%, 85%
HSV	204°, 30%, 100%
XYZ	63.0514, 69.9963, 104.7923
YIQ	213.7800, -37.3670, -0.1110

# Conversions

## Conversions Part 2

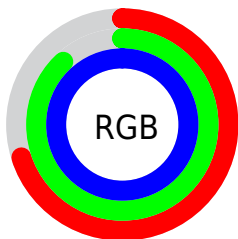
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 207, 255
Decimal	11723007
CIELab	87.00, -7.88, -19.89
CIElCh	87, 21.388, 248.396
Yxy	69.9963, 0.2651, 0.2943
Android (android.graphics.Color)	4289913087 (0xFFB2E0FF)
YUV	213.7800, 20.3215, -31.3791
Hunter-Lab	83.6638, -11.8890, -15.6985

# Details

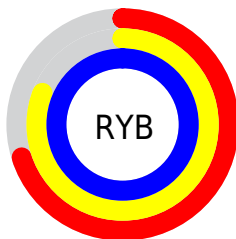
The Yxy color **69.9963, 0.2651, 0.2943** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.0212, 0.3716, 0.3612**, and the grayscale version is **66.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.6641, 0.2543, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **61.9153, 0.2496, 0.2806**, and if you desaturate by 10%, it is **78.9754, 0.2810, 0.3069**.

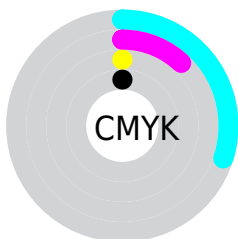
# Distribution



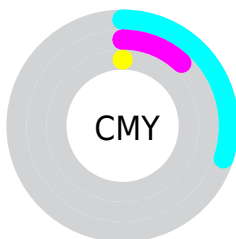
- Red (70%)
- Green (88%)
- Blue (100%)



- Red (70%)
- Yellow (81%)
- Blue (100%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9963, 0.2651, 0.2943 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 69.9963, 0.2651, 0.2943 by changing the saturation by 10% instead.



■ 69.9963, 0.2651,  
0.2943

■ 69.9963, 0.2651,  
0.2943

460.5370, 0.2869,  
0.3106

■ 51.5235, 0.2602,  
0.2905

■ 119.2035, 0.2726,  
0.3000

■ 36.6254, 0.2542,  
0.2859

150.7067, 0.2755,  
0.3022

■ 24.9176, 0.2466,  
0.2800

187.3221, 0.2781,  
0.3041

■ 16.0157, 0.2369,  
0.2722

229.4342, 0.2803,  
0.3057

■ 9.5352, 0.2239,  
0.2617

277.4274, 0.2822,  
0.3072

■ 5.0919, 0.2057,  
0.2466

331.6859, 0.2840,

■ 2.3013, 0.1789,

0.3084

0.2233

392.5944, 0.2855,  
0.3096

0.7744, 0.1298,  
0.1848

0.0000, 0.0000,  
0.0000

69.9963, 0.2651,  
0.2943

69.9963, 0.2651,  
0.2943

61.9153, 0.2496,  
0.2806

78.9754, 0.2810,  
0.3069

54.6872, 0.2348,  
0.2660

88.8786, 0.2968,  
0.3184

48.2745, 0.2212,  
0.2507

99.7411, 0.3124,  
0.3288

42.6331, 0.2092,  
0.2350

99.9999, 0.3127,  
0.3290

■ 37.7130, 0.1993,  
0.2192

■ 33.4554, 0.1915,  
0.2036

■ 29.8455, 0.1858,  
0.1889

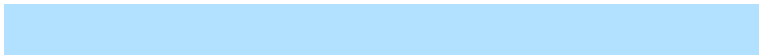
# Harmonies

## Analogous

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



69.9963, 0.2647, 0.3126



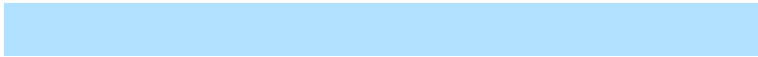
69.9963, 0.2651, 0.2943



69.9963, 0.2776, 0.2860

# Triad

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



69.9963, 0.2651, 0.2943



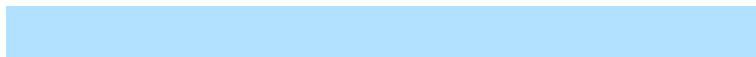
69.9963, 0.3497, 0.3200



69.9963, 0.3242, 0.3736

# Complementary

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



69.9963, 0.2651, 0.2943



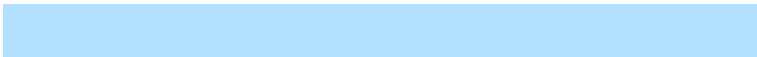
70.0212, 0.3716, 0.3612

# 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.



69.9963, 0.3479, 0.3739



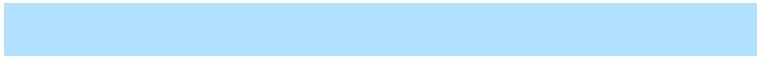
69.9963, 0.2651, 0.2943



69.9963, 0.3632, 0.3419

# Square

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



69.9963, 0.2651, 0.2943



69.9963, 0.3261, 0.3008



69.9963, 0.3624, 0.3617

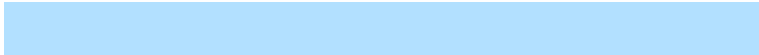


69.9963, 0.2981, 0.3599



# Rectangle

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



69.9963, 0.2651, 0.2943



69.9963, 0.2915, 0.2865



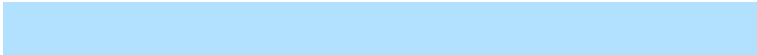
69.9963, 0.3624, 0.3617



69.9963, 0.3327, 0.3753

# Sweetspot

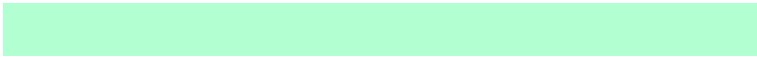
The Sweet Spot groups the original color and five complimentary colors.



69.9991, 0.2651, 0.2943



90.1601, 0.2987, 0.3198



85.5656, 0.2923, 0.3814



18.9733, 0.2964, 0.3182



0.0000, 0.0000, 0.0000

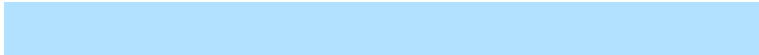


21.4041, 0.3127, 0.3290

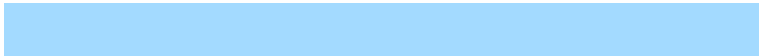


# Same Dimension

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



69.9991, 0.2651, 0.2943



65.2263, 0.2561, 0.2865



51.6374, 0.2599, 0.2492



19.1849, 0.2979, 0.3192



15.8956, 0.1865, 0.1913



1.7619, 0.1913, 0.2086



# Inverse Universe

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



58.4523, 0.3408, 0.2822



52.5931, 0.3480, 0.2730



91.1700, 0.3606, 0.3979



18.1695, 0.3200, 0.3149



12.3326, 0.4552, 0.2281

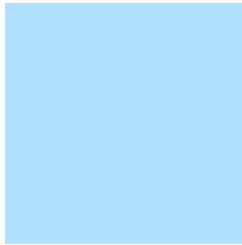


1.2224, 0.4356, 0.2174



# Previews

## White Background



This preview shows how the Yxy color 69.9963, 0.2651, 0.2943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

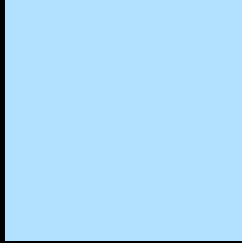
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9963, 0.2651, 0.2943 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

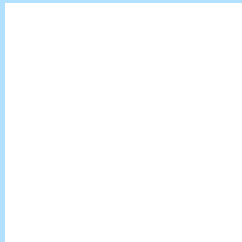
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9963, 0.2651, 0.2943**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9963, 0.2651, 0.2943.

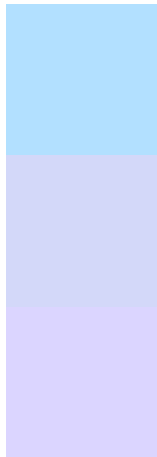


This preview shows how white text looks on a background with the Yxy color 69.9963, 0.2651, 0.2943.

# 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

69.9963, 0.2651, 0.2943

### Protanopia

69.8002, 0.2881, 0.2935

### Deuteranopia

69.8686, 0.2897, 0.2849



## Tritanopia

70.0383, 0.2695, 0.3084

# Trichromacy



**Original Color**

69.9963, 0.2651, 0.2943

**Protanomaly**

69.7702, 0.2794, 0.2940

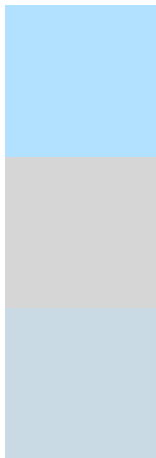
**Deuteranomaly**

69.6831, 0.2801, 0.2880

**Tritanomaly**

69.8578, 0.2678, 0.3029

# Monochromacy



**Original Color**

69.9963, 0.2651, 0.2943

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.2175, 0.2938, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9963, 0.2651, 0.2943 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(178, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 224, 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(178, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 224, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9963, 0.2651, 0.2943 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(178, 224, 255) }
```

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

```
.border{ border-color:rgb(178, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 224,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9963, 0.2651, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 224, 255) }
```

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

```
.background{ background-color: rgb(178,  
224, 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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