

# Converting Colors

$Yxy(70.9229, 0.2679, 0.2907)$

Have a look what the booklet for  
Yxy(70.9229, 0.2679, 0.2907)  
contains.

<b>Yxy(70.9704, 0.2697, 0.2947)</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(70.9704, 0.2697, 0.2947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE0FF
RGB	186, 224, 255
RGB Percent	73%, 88%, 100%
CMY	0.2708, 0.1215, 0.0000
CMYK	0.27, 0.12, 0.00, 0.00
HSL	207°, 100%, 86%
HSV	207°, 27%, 100%
XYZ	64.9498, 70.9704, 104.9023
YIQ	216.1720, -32.5990, 1.5850

# Conversions

## Conversions Part 2

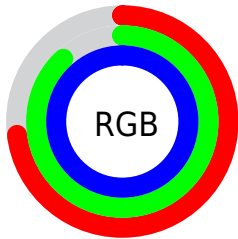
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 211, 255
Decimal	12247295
CIE <sub>Lab</sub>	87.47, -5.59, -19.13
CIE <sub>LCh</sub>	87, 19.935, 253.711
Y <sub>xy</sub>	70.9704, 0.2697, 0.2947
Android (android.graphics.Color)	4290437375 (0xFFBAE0FF)
YUV	216.1720, 19.1422, -26.4608
Hunter-Lab	84.2439, -9.8081, -14.8584

# Details

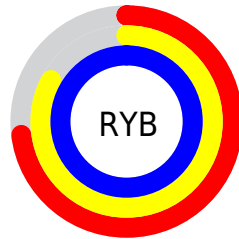
The Yxy color **70.9704, 0.2697, 0.2947** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.4002, 0.3633, 0.3609**, and the grayscale version is **68.6716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **37.2784, 0.2598, 0.2871** is the 20% darker color. If you saturate the color by 10%, you get **62.1121, 0.2536, 0.2797**, and if you desaturate by 10%, it is **80.8152, 0.2859, 0.3085**.

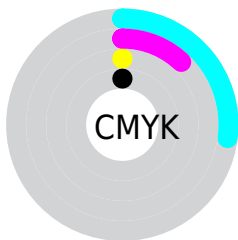
# Distribution



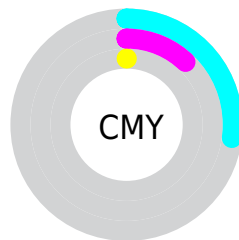
- Red (73%)
- Green (88%)
- Blue (100%)



- Red (73%)
- Yellow (83%)
- Blue (100%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9704, 0.2697, 0.2947 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 70.9704, 0.2697, 0.2947 by changing the saturation by 10% instead.




 70.9704, 0.2697,  
0.2947

 70.9704, 0.2697,  
0.2947


463.9500, 0.2894,  
0.3107

 52.3180, 0.2653,  
0.2910


 120.5916, 0.2765,  
0.3003

 37.2586, 0.2598,  
0.2865


152.3292, 0.2791,  
0.3024

 25.4078, 0.2530,  
0.2808


189.1973, 0.2814,  
0.3043

 16.3811, 0.2442,  
0.2733

231.5804, 0.2834,  
0.3059

 9.7943, 0.2323,  
0.2631

279.8628, 0.2852,  
0.3073

 5.2628, 0.2158,  
0.2487

334.4289, 0.2868,

 2.4022, 0.1912,

0.3086

0.2265

395.6632, 0.2881,  
0.3097

0.8270, 0.1490,  
0.1898

0.0000, 0.0000,  
0.0000

70.9704, 0.2697,  
0.2947

70.9704, 0.2697,  
0.2947

62.1121, 0.2536,  
0.2797

80.8152, 0.2859,  
0.3085

54.1980, 0.2380,  
0.2636

91.6786, 0.3018,  
0.3210

47.1880, 0.2234,  
0.2465

100.0000, 0.3127,  
0.3290

41.0367, 0.2102,  
0.2289

■ 35.6935, 0.1988,  
0.2112

■ 31.1001, 0.1897,  
0.1937

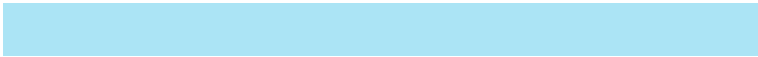
■ 27.1843, 0.1829,  
0.1769

■ 26.1382, 0.1812,  
0.1721

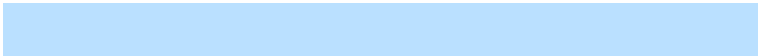
# Harmonies

## Analogous

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



70.9704, 0.2673, 0.3103



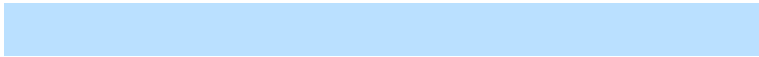
70.9704, 0.2697, 0.2947



70.9704, 0.2832, 0.2887

# Triad

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



70.9704, 0.2697, 0.2947



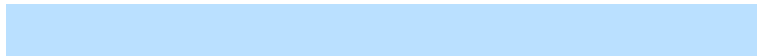
70.9704, 0.3501, 0.3242



70.9704, 0.3191, 0.3689

# Complementary

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



70.9704, 0.2697, 0.2947



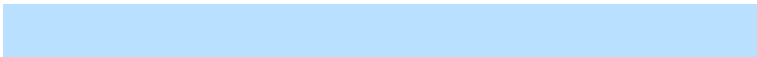
74.4002, 0.3633, 0.3609

# 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.



70.9704, 0.3420, 0.3715



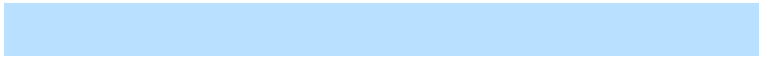
70.9704, 0.2697, 0.2947



70.9704, 0.3604, 0.3447

# Square

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



70.9704, 0.2697, 0.2947



70.9704, 0.3294, 0.3056



70.9704, 0.3573, 0.3621

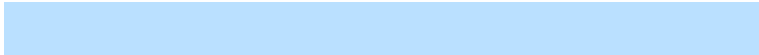


70.9704, 0.2952, 0.3542



# Rectangle

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



70.9704, 0.2697, 0.2947



70.9704, 0.2970, 0.2903



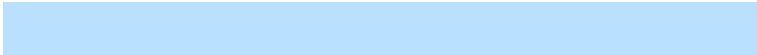
70.9704, 0.3573, 0.3621



70.9704, 0.3272, 0.3712

# Sweetspot

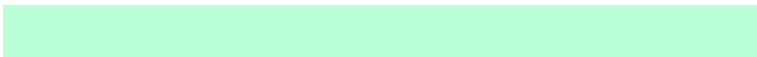
The Sweet Spot groups the original color and five complimentary colors.



70.9717, 0.2697, 0.2947



90.6310, 0.3003, 0.3199



86.9051, 0.2930, 0.3724



19.0378, 0.2979, 0.3181



0.0000, 0.0000, 0.0000

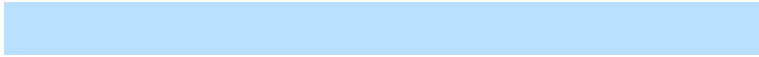


21.4041, 0.3127, 0.3290

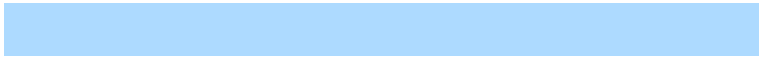


# Same Dimension

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



70.9717, 0.2697, 0.2947



66.4885, 0.2618, 0.2875



54.7234, 0.2659, 0.2560



19.0378, 0.2979, 0.3181



13.9605, 0.1819, 0.1748



1.5775, 0.1872, 0.1938



# Inverse Universe

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



61.7420, 0.3398, 0.2904



56.3825, 0.3462, 0.2831



93.4216, 0.3549, 0.3928



18.1547, 0.3207, 0.3160



12.1373, 0.4748, 0.2389

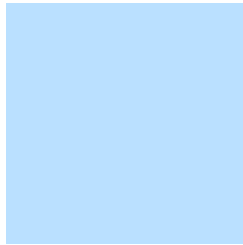


1.2038, 0.4523, 0.2265



# Previews

## White Background



This preview shows how the Yxy color 70.9704, 0.2697, 0.2947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

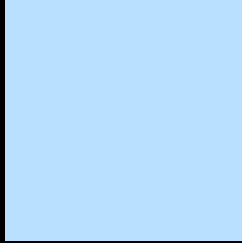
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9704, 0.2697, 0.2947 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

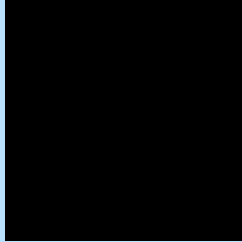
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

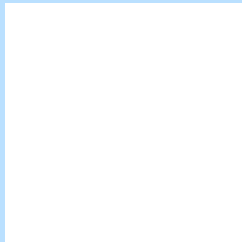
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.9704, 0.2697, 0.2947**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9704, 0.2697, 0.2947.



This preview shows how white text looks on a background with the Yxy color 70.9704, 0.2697, 0.2947.

# 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

70.9704, 0.2697, 0.2947

### Protanopia

70.6740, 0.2889, 0.2937

### Deuteranopia

70.6853, 0.2911, 0.2861



## Tritanopia

71.1147, 0.2747, 0.3087

# Trichromacy



## Original Color

70.9704, 0.2697, 0.2947

## Protanomaly

70.9112, 0.2814, 0.2943

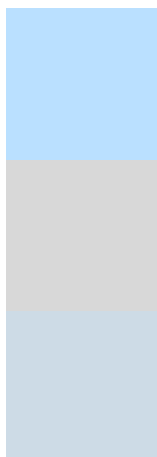
## Deuteranomaly

70.7727, 0.2827, 0.2894

## Tritanomaly

70.9420, 0.2730, 0.3032

# Monochromacy



## Original Color

70.9704, 0.2697, 0.2947

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.3553, 0.2959, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9704, 0.2697, 0.2947 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 224, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9704, 0.2697, 0.2947 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, 224, 255) }
```

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

```
.border{ border-color:rgb(186, 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(186, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 224,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9704, 0.2697, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 224, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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