

Converting Colors

$Yxy(69.0725, 0.2732, 0.2937)$

Have a look what the booklet for
Yxy(69.0725, 0.2732, 0.2937)
contains.

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Color

Yxy(69.1618, 0.2733, 0.2935)

Conversions

Conversions Part 1

Format	Color
Hex	BEDCFC
RGB	190, 220, 252
RGB Percent	75%, 86%, 99%
CMY	0.2549, 0.1372, 0.0116
CMYK	0.25, 0.13, 0.00, 0.01
HSL	211°, 91%, 87%
HSV	211°, 25%, 99%
XYZ	64.4018, 69.1618, 102.0814
YIQ	214.6780, -28.1520, 3.5920

Conversions

Conversions Part 2

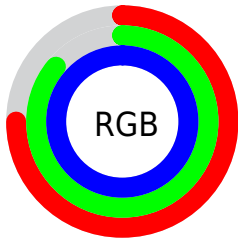
Format	Color
RYB	190, 210, 252
Decimal	12508412
CIELab	86.58, -3.01, -18.88
CIELCh	87, 19.115, 260.933
Yxy	69.1618, 0.2733, 0.2935
Android (android.graphics.Color)	4290698492 (0xFFBEDCFC)
YUV	214.6780, 18.3997, -21.6426
Hunter-Lab	83.1636, -7.3061, -14.5626

Details

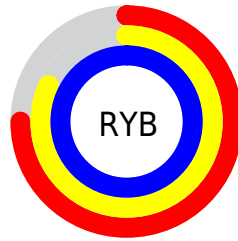
The Yxy color **69.1618, 0.2733, 0.2935** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.6774, 0.3569, 0.3621**, and the grayscale version is **67.6153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **36.0013, 0.2640, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **59.6278, 0.2566, 0.2764**, and if you desaturate by 10%, it is **79.7943, 0.2897, 0.3091**.

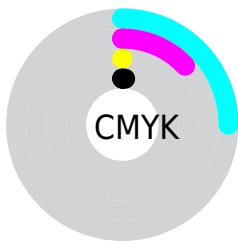
Distribution



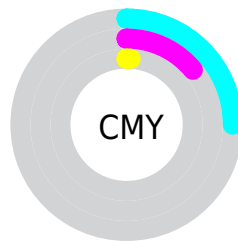
- Red (75%)
- Green (86%)
- Blue (99%)



- Red (75%)
- Yellow (82%)
- Blue (99%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (25%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1618, 0.2733, 0.2935 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 69.1618, 0.2733, 0.2935 by changing the saturation by 10% instead.

■ 69.1618, 0.2733,
0.2935

■ 69.1618, 0.2733,
0.2935

457.6014, 0.2915,
0.3100

■ 50.8435, 0.2692,
0.2897

■ 118.0126, 0.2796,
0.2992

■ 36.0841, 0.2641,
0.2850

149.3140, 0.2820,
0.3015

■ 24.4991, 0.2577,
0.2791

185.7118, 0.2842,
0.3034

■ 15.7043, 0.2494,
0.2714

227.5904, 0.2860,
0.3051

■ 9.3151, 0.2382,
0.2609

275.3343, 0.2876,
0.3065

■ 4.9473, 0.2224,
0.2459

329.3278, 0.2891,

■ 2.2164, 0.1985,

0.3078

0.2229

389.9554, 0.2903,
0.3090

0.7289, 0.1557,
0.1832

0.0000, 0.0000,
0.0000

69.1618, 0.2733,
0.2935

69.1618, 0.2733,
0.2935

59.6278, 0.2566,
0.2764

79.7943, 0.2897,
0.3091

51.1430, 0.2402,
0.2580

91.5553, 0.3056,
0.3231

43.6662, 0.2243,
0.2384

99.8107, 0.3144,
0.3318

37.1498, 0.2097,
0.2182

■ 31.5412, 0.1969,
0.1977

■ 26.7805, 0.1863,
0.1778

■ 22.7973, 0.1782,
0.1588

■ 20.9265, 0.1748,
0.1491

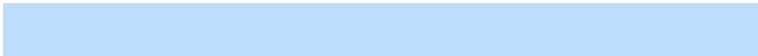
Harmonies

Analogous

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



69.1618, 0.2682, 0.3066



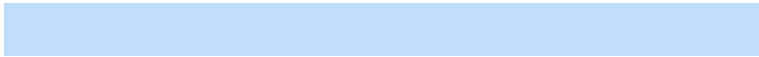
69.1618, 0.2733, 0.2935



69.1618, 0.2886, 0.2900

Triad

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



69.1618, 0.2733, 0.2935



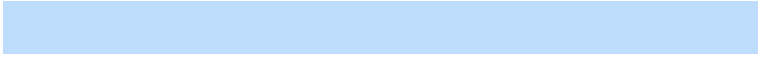
69.1618, 0.3523, 0.3292



69.1618, 0.3132, 0.3651

Complementary

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



69.1618, 0.2733, 0.2935



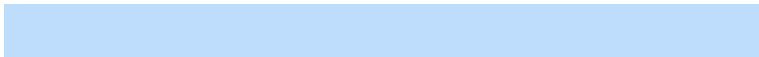
76.6774, 0.3569, 0.3621

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.



69.1618, 0.3362, 0.3706



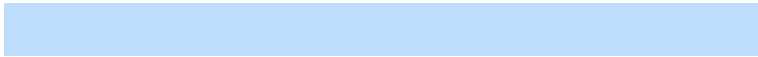
69.1618, 0.2733, 0.2935



69.1618, 0.3593, 0.3487

Square

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



69.1618, 0.2733, 0.2935



69.1618, 0.3343, 0.3103



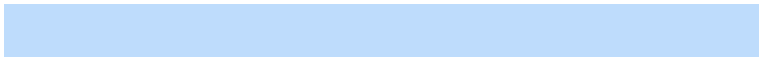
69.1618, 0.3532, 0.3641



69.1618, 0.2907, 0.3487

Rectangle

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



69.1618, 0.2733, 0.2935



69.1618, 0.3030, 0.2931



69.1618, 0.3532, 0.3641



69.1618, 0.3211, 0.3683

Sweetspot

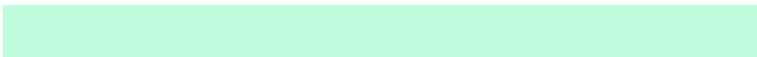
The Sweet Spot groups the original color and five complimentary colors.



69.1646, 0.2733, 0.2935



91.0303, 0.3019, 0.3199



85.8123, 0.2925, 0.3632



19.3246, 0.3009, 0.3190



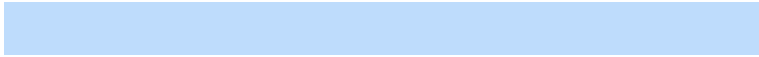
0.0000, 0.0000, 0.0000



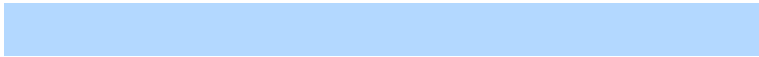
21.4041, 0.3127, 0.3290

Same Dimension

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



69.1646, 0.2733, 0.2935



65.6008, 0.2643, 0.2845



54.8004, 0.2703, 0.2588



18.0287, 0.2980, 0.3164



11.1895, 0.1756, 0.1521



1.2476, 0.1817, 0.1741

Inverse Universe

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



62.6936, 0.3401, 0.2982



58.2322, 0.3479, 0.2911



94.0649, 0.3500, 0.3907



17.3651, 0.3218, 0.3176



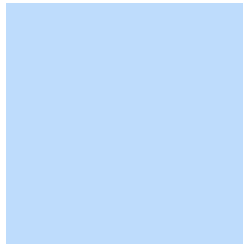
11.5405, 0.5032, 0.2546



1.0902, 0.4756, 0.2394

Previews

White Background



This preview shows how the Yxy color 69.1618, 0.2733, 0.2935 looks on a white background.

Color Contrast Check

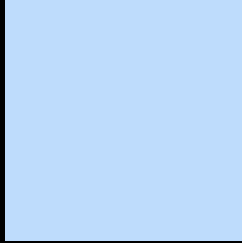
Large Text (above 18pt) WCAG AA × Fail

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 69.1618, 0.2733, 0.2935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

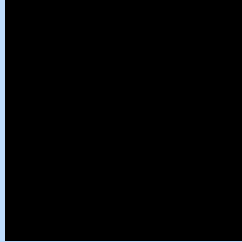
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

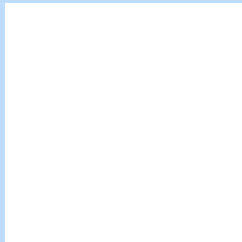
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.1618, 0.2733, 0.2935

Background



This preview shows how black text looks on a background with the Yxy color 69.1618, 0.2733, 0.2935.

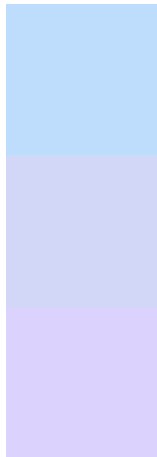


This preview shows how white text looks on a background with the Yxy color 69.1618, 0.2733, 0.2935.

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

69.1618, 0.2733, 0.2935

Protanopia

69.0798, 0.2880, 0.2934

Deuteranopia

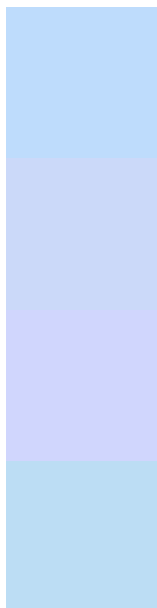
68.8044, 0.2903, 0.2837



Tritanopia

69.0986, 0.2784, 0.3086

Trichromacy



Original Color

69.1618, 0.2733, 0.2935

Protanomaly

69.1618, 0.2829, 0.2941

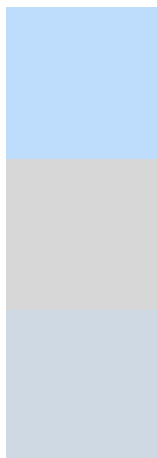
Deuteranomaly

68.5949, 0.2837, 0.2870

Tritanomaly

68.9359, 0.2767, 0.3031

Monochromacy



Original Color

69.1618, 0.2733, 0.2935

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.3490, 0.2978, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1618, 0.2733, 0.2935 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(190, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(190, 220, 252)  
}
```

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(190, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 220, 252) }
```

Border

The CSS property to change the border of an element to Yxy 69.1618, 0.2733, 0.2935 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(190, 220, 252) }
```

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

```
.border{ border-color:rgb(190, 220, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 220, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 220, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 220, 252);  
box-shadow:4px 4px 4px 4px rgb(190, 220,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1618, 0.2733, 0.2935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 220, 252) }
```

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

```
.background{ background-color: rgb(190,  
220, 252) }
```

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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