

Converting Colors

$Yxy(68.2474, 0.2740, 0.2960)$

Have a look what the booklet for
Yxy(68.2474, 0.2740, 0.2960)
contains.

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Color

Yxy(68.1940, 0.2737, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	BCDBF9
RGB	188, 219, 249
RGB Percent	74%, 86%, 98%
CMY	0.2625, 0.1412, 0.0234
CMYK	0.24, 0.12, 0.00, 0.02
HSL	210°, 84%, 86%
HSV	210°, 24%, 98%
XYZ	63.1845, 68.1940, 99.4746
YIQ	213.1510, -28.1060, 2.7580

Conversions

Conversions Part 2

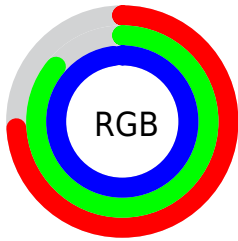
Format	Color
RYB	188, 209, 249
Decimal	12377081
CIELab	86.10, -3.72, -18.02
CIELCh	86, 18.406, 258.324
Yxy	68.1940, 0.2737, 0.2954
Android (android.graphics.Color)	4290567161 (0xFFBCDBF9)
YUV	213.1510, 17.6736, -22.0574
Hunter-Lab	82.5797, -7.9380, -13.6144

Details

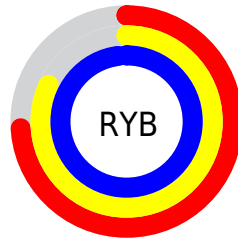
The Yxy color **68.1940, 0.2737, 0.2954** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.9773, 0.3569, 0.3604**, and the grayscale version is **66.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **35.4695, 0.2645, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **59.1322, 0.2572, 0.2792**, and if you desaturate by 10%, it is **78.2792, 0.2900, 0.3102**.

Distribution



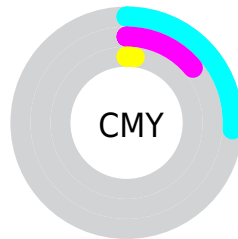
- Red (74%)
- Green (86%)
- Blue (98%)



- Red (74%)
- Yellow (82%)
- Blue (98%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (26%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1940, 0.2737, 0.2954 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 68.1940, 0.2737, 0.2954 by changing the saturation by 10% instead.

■ 68.1940, 0.2737,
0.2954

■ 68.1940, 0.2737,
0.2954

454.1831, 0.2917,
0.3111

■ 50.0556, 0.2696,
0.2918

■ 116.6296, 0.2800,
0.3009

■ 35.4576, 0.2645,
0.2873

147.6956, 0.2824,
0.3030

■ 24.0156, 0.2581,
0.2816

183.8396, 0.2845,
0.3048

■ 15.3452, 0.2498,
0.2741

225.4460, 0.2863,
0.3064

■ 9.0620, 0.2386,
0.2640

272.8991, 0.2879,
0.3078

■ 4.7816, 0.2227,
0.2493

326.5834, 0.2893,

■ 2.1197, 0.1985,

0.3090

0.2266

386.8832, 0.2906,
0.3101

0.6757, 0.1517,
0.1859

0.0000, 0.0000,
0.0000

68.1940, 0.2737,
0.2954

68.1940, 0.2737,
0.2954

59.1322, 0.2572,
0.2792

78.2792, 0.2900,
0.3102

51.0473, 0.2410,
0.2617

89.4152, 0.3058,
0.3235

43.9011, 0.2255,
0.2431

99.6211, 0.3162,
0.3347

37.6492, 0.2112,
0.2238

■ 32.2423, 0.1987,
0.2043

■ 27.6246, 0.1883,
0.1851

■ 23.7297, 0.1805,
0.1668

■ 21.8407, 0.1770,
0.1571

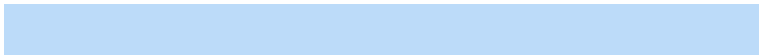
Harmonies

Analogous

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



68.1940, 0.2697, 0.3089



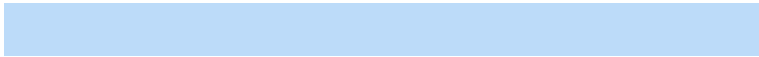
68.1940, 0.2737, 0.2954



68.1940, 0.2878, 0.2911

Triad

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



68.1940, 0.2737, 0.2954



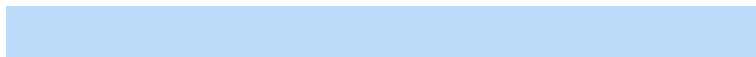
68.1940, 0.3499, 0.3275



68.1940, 0.3152, 0.3648

Complementary

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



68.1940, 0.2737, 0.2954



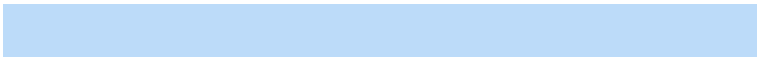
73.9773, 0.3569, 0.3604

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.



68.1940, 0.3372, 0.3691



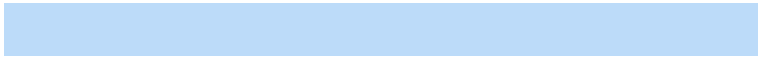
68.1940, 0.2737, 0.2954



68.1940, 0.3577, 0.3466

Square

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



68.1940, 0.2737, 0.2954



68.1940, 0.3318, 0.3095



68.1940, 0.3529, 0.3620



68.1940, 0.2932, 0.3497

Rectangle

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



68.1940, 0.2737, 0.2954



68.1940, 0.3014, 0.2936



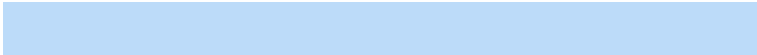
68.1940, 0.3529, 0.3620



68.1940, 0.3229, 0.3676

Sweetspot

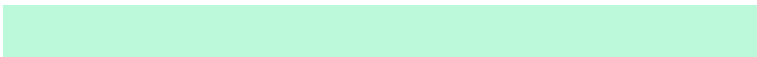
The Sweet Spot groups the original color and five complimentary colors.



68.1967, 0.2737, 0.2954



91.2857, 0.3019, 0.3203



83.5045, 0.2932, 0.3641



19.3837, 0.3009, 0.3195



0.0000, 0.0000, 0.0000



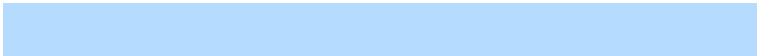
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1967, 0.2737, 0.2954



67.4820, 0.2662, 0.2882



53.9729, 0.2707, 0.2605



18.0983, 0.2980, 0.3170



11.9736, 0.1778, 0.1599



1.3212, 0.1837, 0.1813

Inverse Universe

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



61.2540, 0.3387, 0.2970



59.4193, 0.3449, 0.2907



90.9187, 0.3500, 0.3894



17.3721, 0.3214, 0.3170



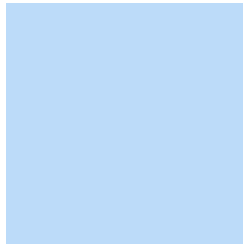
11.6196, 0.4932, 0.2491



1.0976, 0.4670, 0.2346

Previews

White Background



This preview shows how the Yxy color 68.1940, 0.2737, 0.2954 looks on a white background.

Color Contrast Check

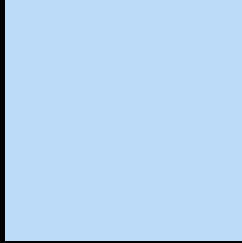
Large Text (above 18pt) WCAG AA × Fail

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 68.1940, 0.2737, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

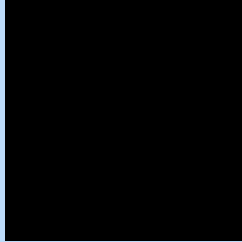
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

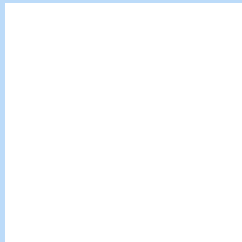
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1940, 0.2737, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 68.1940, 0.2737, 0.2954.



This preview shows how white text looks on a background with the Yxy color 68.1940, 0.2737, 0.2954.

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





Tritanopia

68.3251, 0.2788, 0.3096

Trichromacy



Original Color

68.1940, 0.2737, 0.2954

Protanomaly

67.8113, 0.2840, 0.2949

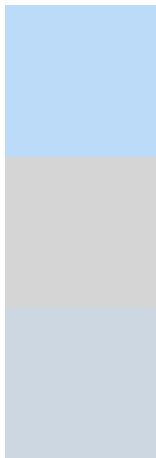
Deuteranomaly

67.9005, 0.2854, 0.2890

Tritanomaly

68.1620, 0.2771, 0.3041

Monochromacy



Original Color

68.1940, 0.2737, 0.2954

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.9292, 0.2977, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1940, 0.2737, 0.2954 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(188, 219, 249)` looks like.

```
.text, #text, p{  
    color:rgb(188, 219, 249)  
}
```

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(188, 219, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 219, 249) }
```

Border

The CSS property to change the border of an element to Yxy 68.1940, 0.2737, 0.2954 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(188, 219, 249) }
```

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

```
.border{ border-color:rgb(188, 219, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 219, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 219, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 219, 249);  
box-shadow:4px 4px 4px 4px rgb(188, 219,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1940, 0.2737, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 219, 249) }
```

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

```
.background{ background-color: rgb(188,  
219, 249) }
```

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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