

Converting Colors

$Yxy(71.5510, 0.2705, 0.3078)$

Have a look what the booklet for
Yxy(71.5510, 0.2705, 0.3078)
contains.

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Color

Yxy(71.7243, 0.2709, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	B3E4F6
RGB	179, 228, 246
RGB Percent	70%, 89%, 96%
CMY	0.2982, 0.1058, 0.0352
CMYK	0.27, 0.07, 0.00, 0.04
HSL	196°, 79%, 83%
HSV	196°, 27%, 96%
XYZ	62.9621, 71.7243, 97.7319
YIQ	215.4010, -34.9820, -4.7900

Conversions

Conversions Part 2

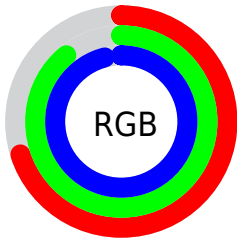
Format	Color
R _Y B	179, 207, 246
Decimal	11789558
CIE Lab	87.84, -11.70, -13.90
CIE LCh	88, 18.170, 229.897
Yxy	71.7243, 0.2709, 0.3086
Android (android.graphics.Color)	4289979638 (0xFFB3E4F6)
YUV	215.4010, 15.0853, -31.9237
Hunter-Lab	84.6902, -15.5037, -9.1371

Details

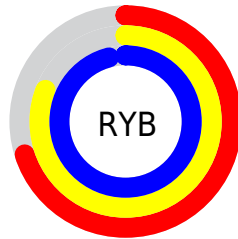
The Yxy color **71.7243, 0.2709, 0.3086** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.7647, 0.3670, 0.3485**, and the grayscale version is **68.1507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **37.9648, 0.2616, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **65.4876, 0.2564, 0.2999**, and if you desaturate by 10%, it is **78.6285, 0.2860, 0.3167**.

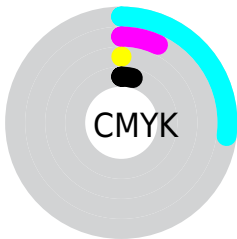
Distribution



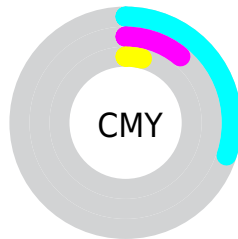
- Red (70%)
- Green (89%)
- Blue (96%)



- Red (70%)
- Yellow (81%)
- Blue (96%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (30%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7243, 0.2709, 0.3086 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 71.7243, 0.2709, 0.3086 by changing the saturation by 10% instead.

 71.7243, 0.2709,
0.3086

 71.7243, 0.2709,
0.3086


466.5814, 0.2900,
0.3183

 52.9335, 0.2666,
0.3063


 121.6645, 0.2775,
0.3120

 37.7497, 0.2613,
0.3035


153.5826, 0.2801,
0.3133

 25.7885, 0.2547,
0.2998


190.6454, 0.2823,
0.3145

 16.6655, 0.2461,
0.2950

233.2371, 0.2842,
0.3154

 9.9963, 0.2346,
0.2883

281.7421, 0.2859,
0.3163

 5.3965, 0.2185,
0.2785

336.5449, 0.2874,

 2.4817, 0.1943,

0.3171

0.2627

398.0299, 0.2888,
0.3177

0.8675, 0.1468,
0.2364

0.0000, 0.0000,
0.0000

71.7243, 0.2709,
0.3086

71.7243, 0.2709,
0.3086

65.4876, 0.2564,
0.2999

78.6285, 0.2860,
0.3167

59.8805, 0.2429,
0.2906

86.2189, 0.3015,
0.3241

54.8739, 0.2307,
0.2809

94.5239, 0.3169,
0.3308

50.4326, 0.2202,
0.2708

99.0771, 0.3180,
0.3371

■ 46.5165, 0.2116,
0.2606

■ 99.4352, 0.3179,
0.3376

■ 43.0791, 0.2051,
0.2504

■ 40.0604, 0.2004,
0.2404

■ 39.2821, 0.1994,
0.2377

Harmonies

Analogous

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



71.7243, 0.2772, 0.3277



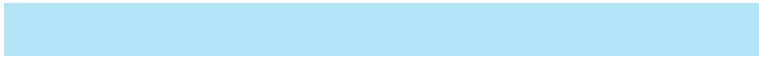
71.7243, 0.2709, 0.3086



71.7243, 0.2753, 0.2959

Triad

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



71.7243, 0.2709, 0.3086



71.7243, 0.3323, 0.3108



71.7243, 0.3355, 0.3680

Complementary

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



71.7243, 0.2709, 0.3086



62.7647, 0.3670, 0.3485

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.



71.7243, 0.3512, 0.3617



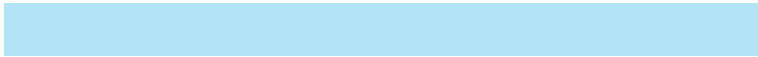
71.7243, 0.2709, 0.3086



71.7243, 0.3495, 0.3286

Square

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



71.7243, 0.2709, 0.3086



71.7243, 0.3102, 0.2978



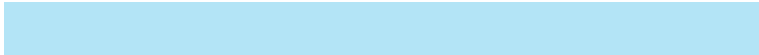
71.7243, 0.3564, 0.3470



71.7243, 0.3140, 0.3632

Rectangle

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



71.7243, 0.2709, 0.3086



71.7243, 0.2838, 0.2924



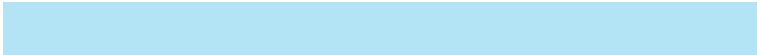
71.7243, 0.3564, 0.3470



71.7243, 0.3416, 0.3670

Sweetspot

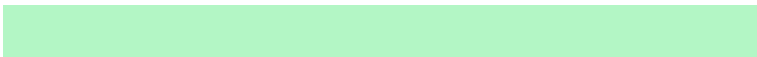
The Sweet Spot groups the original color and five complimentary colors.



71.7272, 0.2709, 0.3086



92.8888, 0.3003, 0.3235



79.5273, 0.2991, 0.3861



19.6077, 0.2980, 0.3225



0.0000, 0.0000, 0.0000



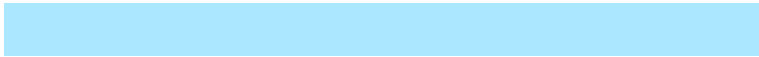
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7272, 0.2709, 0.3086



73.8021, 0.2624, 0.3036



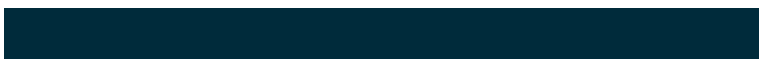
55.0850, 0.2670, 0.2691



17.9610, 0.2980, 0.3225



21.2064, 0.1998, 0.2393



2.0327, 0.2033, 0.2519

Inverse Universe

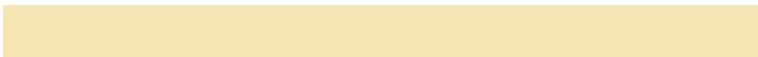
The Inverse Universe completely reimagines the original color for something new.



57.4199, 0.3300, 0.2781



56.1784, 0.3347, 0.2671



79.6512, 0.3579, 0.3825



16.6879, 0.3179, 0.3118



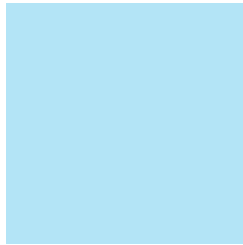
12.2402, 0.4030, 0.1994



1.0928, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 71.7243, 0.2709, 0.3086 looks on a white background.

Color Contrast Check

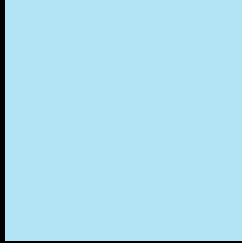
Large Text (above 18pt) WCAG AA × Fail

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 71.7243, 0.2709, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

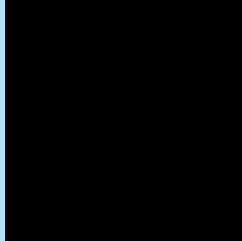
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7243, 0.2709, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 71.7243, 0.2709, 0.3086.

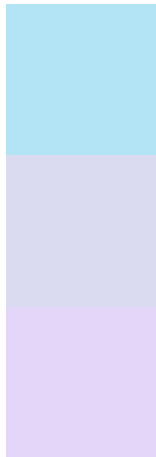


This preview shows how white text looks on a background with the Yxy color 71.7243, 0.2709, 0.3086.

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

71.7243, 0.2709, 0.3086

Protanopia

71.3395, 0.2984, 0.3054

Deuteranopia

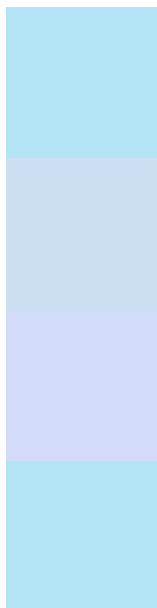
71.2636, 0.2989, 0.2925



Tritanopia

71.7243, 0.2709, 0.3086

Trichromacy



Original Color

71.7243, 0.2709, 0.3086

Protanomaly

71.4907, 0.2880, 0.3071

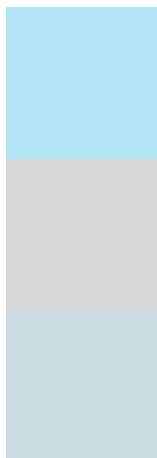
Deuteranomaly

71.1420, 0.2882, 0.2978

Tritanomaly

71.7243, 0.2709, 0.3086

Monochromacy



Original Color

71.7243, 0.2709, 0.3086

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.2339, 0.2964, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7243, 0.2709, 0.3086 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(179, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(179, 228, 246)  
}
```

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(179, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 228, 246) }
```

Border

The CSS property to change the border of an element to Yxy 71.7243, 0.2709, 0.3086 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(179, 228, 246) }
```

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

```
.border{ border-color:rgb(179, 228, 246) }
```

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

Here you see how a box with a 4 pixel rgb(179, 228, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(179, 228,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7243, 0.2709, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 228, 246) }
```

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

```
.background{ background-color: rgb(179,  
228, 246) }
```

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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