

Converting Colors

$Y_{xy}(73.4299, 0.2769, 0.3018)$

Have a look what the booklet for
Yxy(73.4299, 0.2769, 0.3018)
contains.

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Color

Yxy(73.5685, 0.2770, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	C3E3FC
RGB	195, 227, 252
RGB Percent	76%, 89%, 99%
CMY	0.2353, 0.1098, 0.0118
CMYK	0.23, 0.10, 0.00, 0.01
HSL	206°, 90%, 88%
HSV	206°, 23%, 99%
XYZ	67.5455, 73.5685, 102.7325
YIQ	220.2820, -27.0970, 0.9910

Conversions

Conversions Part 2

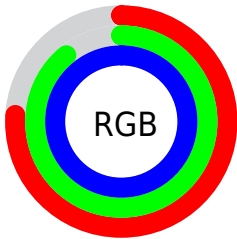
Format	Color
R _Y B	195, 215, 252
Decimal	12837884
CIE Lab	88.72, -5.18, -15.61
CIE LCh	89, 16.449, 251.650
Yxy	73.5685, 0.2770, 0.3017
Android (android.graphics.Color)	4291027964 (0xFFC3E3FC)
YUV	220.2820, 15.6370, -22.1723
Hunter-Lab	85.7721, -9.5324, -10.9735

Details

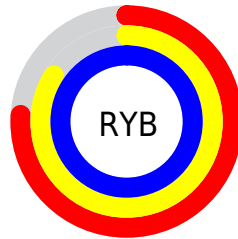
The Yxy color **73.5685, 0.2770, 0.3017** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8214, 0.3537, 0.3548**, and the grayscale version is **71.6824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **39.0206, 0.2689, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **64.6402, 0.2609, 0.2876**, and if you desaturate by 10%, it is **83.4572, 0.2930, 0.3146**.

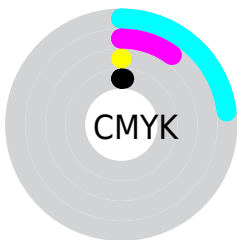
Distribution



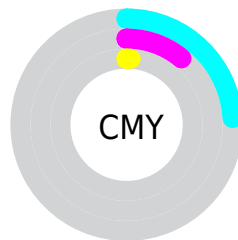
- Red (76%)
- Green (89%)
- Blue (99%)



- Red (76%)
- Yellow (84%)
- Blue (99%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (24%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5685, 0.2770, 0.3017 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 73.5685, 0.2770, 0.3017 by changing the saturation by 10% instead.

73.5685, 0.2770,
0.3017

73.5685, 0.2770,
0.3017

472.9828, 0.2933,
0.3144

54.4409, 0.2733,
0.2988

124.2839, 0.2826,
0.3061

38.9543, 0.2688,
0.2952

156.6406, 0.2848,
0.3078

26.7242, 0.2632,
0.2907

194.1758, 0.2867,
0.3093

17.3662, 0.2559,
0.2848

237.2738, 0.2884,
0.3106

10.4959, 0.2461,
0.2768

286.3191, 0.2898,
0.3117

5.7290, 0.2324,
0.2653

341.6962, 0.2911,

2.6810, 0.2118,

0.3127

0.2477

403.7892, 0.2923,
0.3136

0.9676, 0.1779,
0.2176

0.0000, 0.0000,
0.0000

73.5685, 0.2770,
0.3017

73.5685, 0.2770,
0.3017

64.6402, 0.2609,
0.2876

83.4572, 0.2930,
0.3146

56.6278, 0.2452,
0.2723

94.3309, 0.3087,
0.3262

49.4960, 0.2302,
0.2561

99.8081, 0.3144,
0.3319

43.2030, 0.2164,
0.2391

■ 37.7029, 0.2043,
0.2218

■ 32.9433, 0.1943,
0.2046

■ 28.8625, 0.1866,
0.1878

■ 26.2215, 0.1822,
0.1759

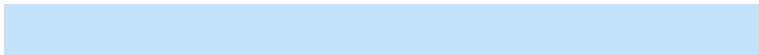
Harmonies

Analogous

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



73.5685, 0.2757, 0.3151



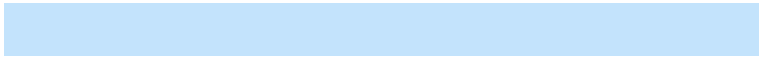
73.5685, 0.2770, 0.3017



73.5685, 0.2876, 0.2960

Triad

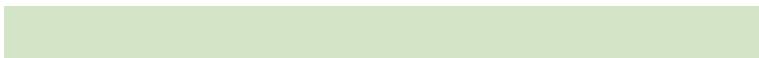
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.5685, 0.2770, 0.3017



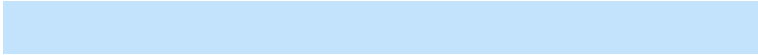
73.5685, 0.3422, 0.3241



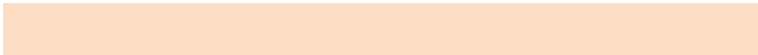
73.5685, 0.3195, 0.3618

Complementary

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



73.5685, 0.2770, 0.3017



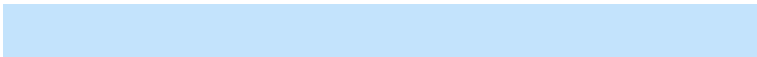
75.8214, 0.3537, 0.3548

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.



73.5685, 0.3378, 0.3633



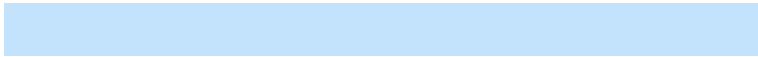
73.5685, 0.2770, 0.3017



73.5685, 0.3513, 0.3409

Square

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



73.5685, 0.2770, 0.3017



73.5685, 0.3251, 0.3089



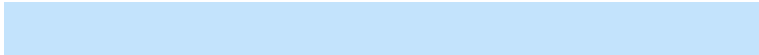
73.5685, 0.3496, 0.3554



73.5685, 0.2998, 0.3505

Rectangle

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



73.5685, 0.2770, 0.3017



73.5685, 0.2987, 0.2969



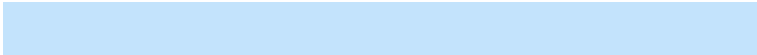
73.5685, 0.3496, 0.3554



73.5685, 0.3260, 0.3634

Sweetspot

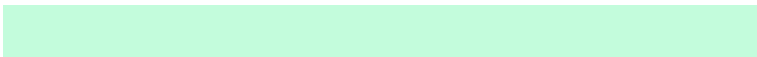
The Sweet Spot groups the original color and five complimentary colors.



73.5715, 0.2770, 0.3017



91.8771, 0.3019, 0.3212



86.3738, 0.2961, 0.3644



19.5207, 0.3009, 0.3205



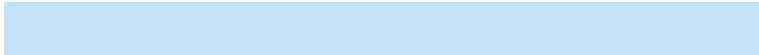
0.0000, 0.0000, 0.0000



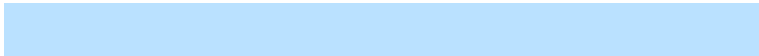
21.4041, 0.3127, 0.3290

Same Dimension

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



73.5715, 0.2770, 0.3017



71.4236, 0.2699, 0.2956



59.3882, 0.2745, 0.2697



18.2600, 0.2980, 0.3183



13.9582, 0.1829, 0.1786



1.5039, 0.1884, 0.1981

Inverse Universe

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



65.2741, 0.3339, 0.2964



61.8667, 0.3391, 0.2898



91.8923, 0.3477, 0.3821



17.3885, 0.3206, 0.3158



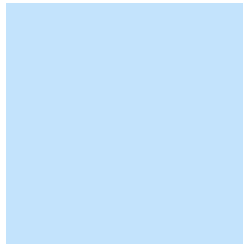
11.8200, 0.4703, 0.2364



1.1160, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 73.5685, 0.2770, 0.3017 looks on a white background.

Color Contrast Check

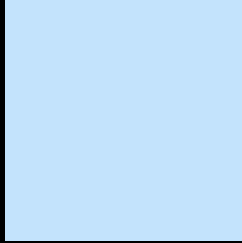
Large Text (above 18pt) WCAG AA × Fail

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 73.5685, 0.2770, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

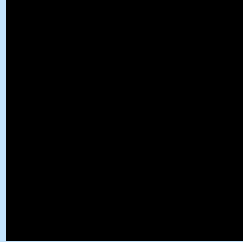
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

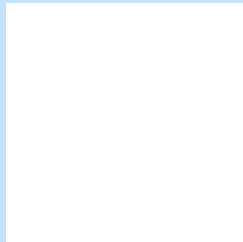
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.5685, 0.2770, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 73.5685, 0.2770, 0.3017.



This preview shows how white text looks on a background with the Yxy color 73.5685, 0.2770, 0.3017.

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

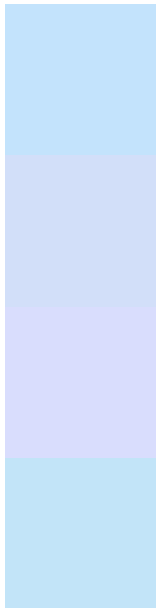




Tritanopia

73.6100, 0.2798, 0.3091

Trichromacy



Original Color

73.5685, 0.2770, 0.3017

Protanomaly

73.3165, 0.2878, 0.3011

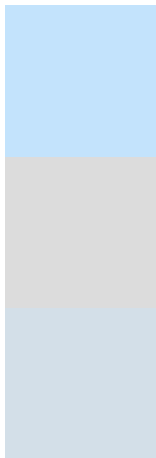
Deuteranomaly

73.5565, 0.2899, 0.2953

Tritanomaly

73.7334, 0.2787, 0.3070

Monochromacy



Original Color

73.5685, 0.2770, 0.3017

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.4504, 0.2987, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5685, 0.2770, 0.3017 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(195, 227, 252)` looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 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(195, 227, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 252) }
```

Border

The CSS property to change the border of an element to Yxy 73.5685, 0.2770, 0.3017 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(195, 227, 252) }
```

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

```
.border{ border-color:rgb(195, 227, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 227, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 227, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 227, 252); box-shadow:4px 4px 4px 4px rgb(195, 227, 252) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5685, 0.2770, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 252) }
```

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

```
.background{ background-color: rgb(195,  
227, 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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