

Converting Colors

$Y_{xy}(71.2272, 0.2760, 0.3013)$

Have a look what the booklet for
Yxy(71.2272, 0.2760, 0.3013)
contains.

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Color

Yxy(71.2272, 0.2760, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	BFE0F9
RGB	191, 224, 249
RGB Percent	75%, 88%, 98%
CMY	0.2508, 0.1216, 0.0236
CMYK	0.23, 0.10, 0.00, 0.02
HSL	206°, 83%, 86%
HSV	206°, 23%, 98%
XYZ	65.2463, 71.2272, 99.9261
YIQ	216.9830, -27.6930, 0.7790

Conversions

Conversions Part 2

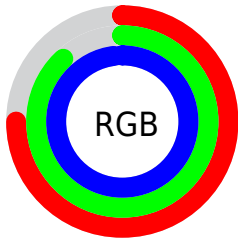
Format	Color
R _Y B	191, 212, 249
Decimal	12574969
CIE Lab	87.60, -5.46, -15.75
CIE LCh	88, 16.665, 250.876
Yxy	71.2272, 0.2760, 0.3013
Android (android.graphics.Color)	4290765049 (0xFFBFE0F9)
YUV	216.9830, 15.7844, -22.7871
Hunter-Lab	84.3962, -9.6959, -11.1227

Details

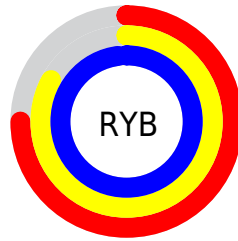
The Yxy color **71.2272, 0.2760, 0.3013** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.0328, 0.3552, 0.3552**, and the grayscale version is **69.2857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **37.5446, 0.2675, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **62.6790, 0.2600, 0.2874**, and if you desaturate by 10%, it is **80.6946, 0.2920, 0.3140**.

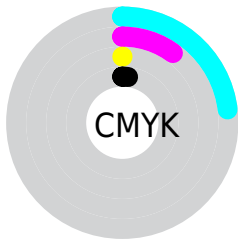
Distribution



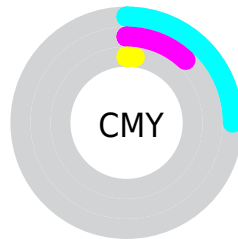
- Red (75%)
- Green (88%)
- Blue (98%)



- Red (75%)
- Yellow (83%)
- Blue (98%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (25%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2272, 0.2760, 0.3013 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 71.2272, 0.2760, 0.3013 by changing the saturation by 10% instead.

■ 71.2272, 0.2760,
0.3013

■ 71.2272, 0.2760,
0.3013

■ 464.8473, 0.2929,
0.3142

■ 52.5276, 0.2722,
0.2983

■ 120.9572, 0.2818,
0.3058

■ 37.4258, 0.2675,
0.2946

■ 152.7564, 0.2841,
0.3076

■ 25.5373, 0.2616,
0.2900

■ 189.6909, 0.2860,
0.3091

■ 16.4779, 0.2540,
0.2838

■ 232.1451, 0.2878,
0.3104

■ 9.8629, 0.2437,
0.2755

■ 280.5035, 0.2893,
0.3115

■ 5.3082, 0.2292,
0.2634

■ 335.1504, 0.2906,

■ 2.4292, 0.2072,

0.3125

0.2447

396.4702, 0.2918,
0.3134

0.8408, 0.1685,
0.2128

0.0000, 0.0000,
0.0000

71.2272, 0.2760,
0.3013

71.2272, 0.2760,
0.3013

62.6790, 0.2600,
0.2874

80.6946, 0.2920,
0.3140

55.0070, 0.2444,
0.2723

91.1049, 0.3077,
0.3255

48.1769, 0.2295,
0.2563

99.6192, 0.3162,
0.3347

42.1486, 0.2160,
0.2396

■ 36.8773, 0.2041,
0.2226

■ 32.3122, 0.1944,
0.2057

■ 28.3931, 0.1869,
0.1892

■ 26.0650, 0.1829,
0.1785

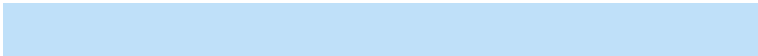
Harmonies

Analogous

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



71.2272, 0.2749, 0.3152



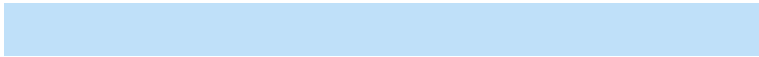
71.2272, 0.2760, 0.3013



71.2272, 0.2866, 0.2952

Triad

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



71.2272, 0.2760, 0.3013



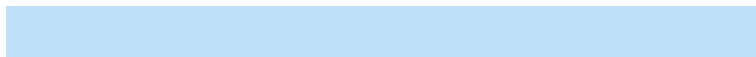
71.2272, 0.3425, 0.3235



71.2272, 0.3201, 0.3627

Complementary

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



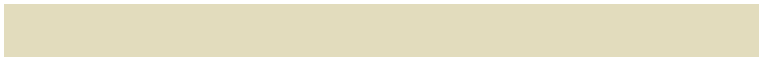
71.2272, 0.2760, 0.3013



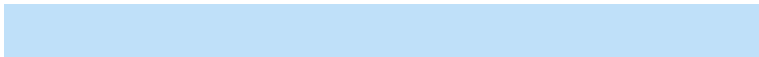
73.0328, 0.3552, 0.3552

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.



71.2272, 0.3388, 0.3641



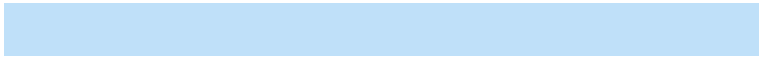
71.2272, 0.2760, 0.3013



71.2272, 0.3521, 0.3408

Square

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



71.2272, 0.2760, 0.3013



71.2272, 0.3249, 0.3080



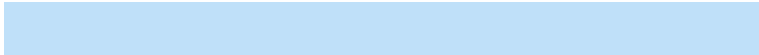
71.2272, 0.3506, 0.3557



71.2272, 0.2999, 0.3514

Rectangle

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



71.2272, 0.2760, 0.3013



71.2272, 0.2978, 0.2960



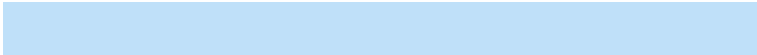
71.2272, 0.3506, 0.3557



71.2272, 0.3268, 0.3644

Sweetspot

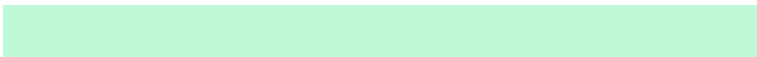
The Sweet Spot groups the original color and five complimentary colors.



71.2301, 0.2760, 0.3013



91.9560, 0.3019, 0.3214



83.7453, 0.2962, 0.3666



19.5389, 0.3009, 0.3207



0.0000, 0.0000, 0.0000



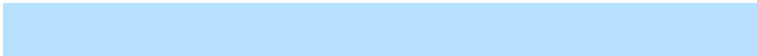
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2301, 0.2760, 0.3013



70.7815, 0.2684, 0.2948



57.3414, 0.2734, 0.2689



18.2815, 0.2980, 0.3185



14.2408, 0.1836, 0.1811



1.5296, 0.1890, 0.2003

Inverse Universe

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



62.7991, 0.3343, 0.2950



60.7679, 0.3399, 0.2878



88.7026, 0.3490, 0.3828



17.3906, 0.3204, 0.3156



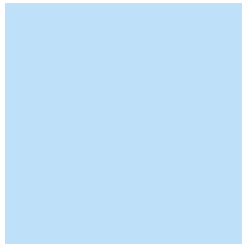
11.8485, 0.4673, 0.2348



1.1186, 0.4449, 0.2225

Previews

White Background



This preview shows how the Yxy color 71.2272, 0.2760, 0.3013 looks on a white background.

Color Contrast Check

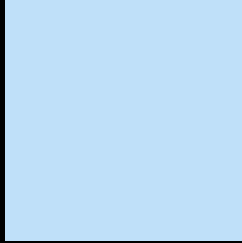
Large Text (above 18pt) WCAG AA × Fail

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 71.2272, 0.2760, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

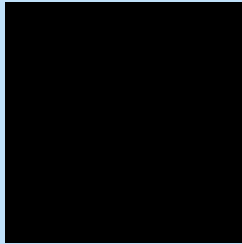
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

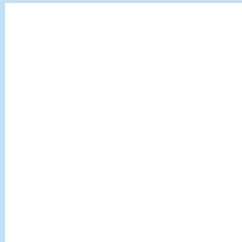
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2272, 0.2760, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 71.2272, 0.2760, 0.3013.



This preview shows how white text looks on a background with the Yxy color 71.2272, 0.2760, 0.3013.

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

71.2272, 0.2760, 0.3013

Protanopia

71.1825, 0.2933, 0.3001

Deuteranopia

71.0657, 0.2963, 0.2904



Tritanopia

71.2686, 0.2788, 0.3088

Trichromacy



Original Color

71.2272, 0.2760, 0.3013

Protanomaly

70.9620, 0.2868, 0.3007

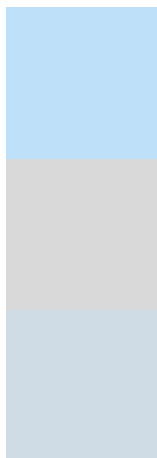
Deuteranomaly

71.1911, 0.2889, 0.2948

Tritanomaly

71.3901, 0.2777, 0.3067

Monochromacy



Original Color

71.2272, 0.2760, 0.3013

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.2534, 0.2986, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2272, 0.2760, 0.3013 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(191, 224, 249)` looks like.

```
.text, #text, p{  
    color:rgb(191, 224, 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(191, 224, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 224, 249) }
```

Border

The CSS property to change the border of an element to Yxy 71.2272, 0.2760, 0.3013 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(191, 224, 249) }
```

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

```
.border{ border-color:rgb(191, 224, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 224, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 224, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 224, 249);  
box-shadow:4px 4px 4px 4px rgb(191, 224,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2272, 0.2760, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 224, 249) }
```

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

```
.background{ background-color: rgb(191,  
224, 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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