

Converting Colors

$Yxy(80.3117, 0.2329, 0.2209)$

Have a look what the booklet for
Yxy(80.3117, 0.2329, 0.2209)
contains.

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Color

Yxy(73.2345, 0.2730, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BFE3FF</code>
RGB	191, 227, 255
RGB Percent	75%, 89%, 100%
CMY	0.2510, 0.1098, 0.0001
CMYK	0.25, 0.11, 0.00, 0.00
HSL	206°, 100%, 87%
HSV	206°, 25%, 100%
XYZ	67.0007, 73.2345, 105.1887
YIQ	219.4280, -30.4440, 1.0760

Conversions

Conversions Part 2

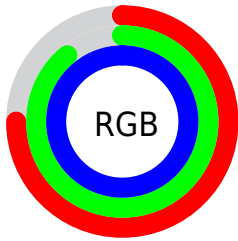
Format	Color
RYB	191, 214, 255
Decimal	12575743
CIELab	88.56, -5.70, -17.44
CIElCh	89, 18.344, 251.907
Yxy	73.2345, 0.2730, 0.2984
Android (android.graphics.Color)	4290765823 (0xFFBFE3FF)
YUV	219.4280, 17.5370, -24.9314
Hunter-Lab	85.5772, -10.0074, -12.9734

Details

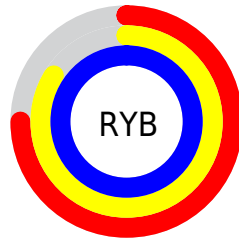
The Yxy color **73.2345, 0.2730, 0.2984** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.6614, 0.3591, 0.3577**, and the grayscale version is **71.0435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **38.8165, 0.2639, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **64.3130, 0.2570, 0.2840**, and if you desaturate by 10%, it is **83.1320, 0.2891, 0.3116**.

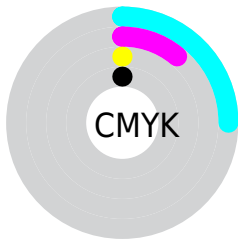
Distribution



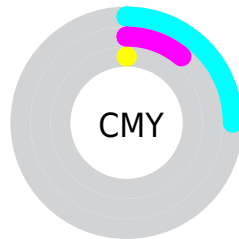
- Red (75%)
- Green (89%)
- Blue (100%)



- Red (75%)
- Yellow (84%)
- Blue (100%)



- Cyan (25%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2345, 0.2730, 0.2984 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 73.2345, 0.2730, 0.2984 by changing the saturation by 10% instead.

73.2345, 0.2730,
0.2984

73.2345, 0.2730,
0.2984

471.8271, 0.2911,
0.3126

54.1677, 0.2689,
0.2952

123.8101, 0.2792,
0.3033

38.7358, 0.2640,
0.2911

156.0876, 0.2817,
0.3053

26.5542, 0.2577,
0.2861

193.5376, 0.2838,
0.3069

17.2387, 0.2496,
0.2795

236.5444, 0.2856,
0.3083

10.4048, 0.2389,
0.2705

285.4923, 0.2872,
0.3096

5.6682, 0.2238,
0.2578

340.7658, 0.2887,

2.6444, 0.2014,

0.3107

0.2382

402.7493, 0.2900,
0.3117

0.9490, 0.1649,
0.2055

0.0000, 0.0000,
0.0000

73.2345, 0.2730,
0.2984

73.2345, 0.2730,
0.2984

64.3130, 0.2570,
0.2840

83.1320, 0.2891,
0.3116

56.3215, 0.2414,
0.2685

94.0316, 0.3049,
0.3234

49.2228, 0.2267,
0.2521

99.9983, 0.3127,
0.3290

42.9730, 0.2133,
0.2351

■ 37.5236, 0.2017,
0.2178

■ 32.8187, 0.1923,
0.2007

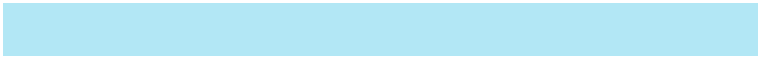
■ 28.7913, 0.1852,
0.1841

■ 27.0185, 0.1823,
0.1763

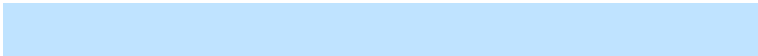
Harmonies

Analogous

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



73.2345, 0.2714, 0.3132



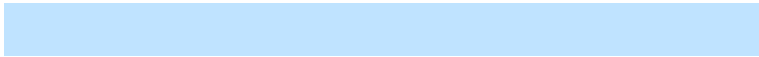
73.2345, 0.2730, 0.2984



73.2345, 0.2848, 0.2922

Triad

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



73.2345, 0.2730, 0.2984



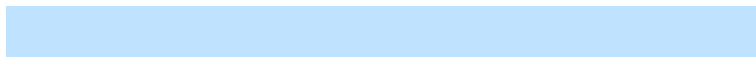
73.2345, 0.3458, 0.3236



73.2345, 0.3200, 0.3657

Complementary

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



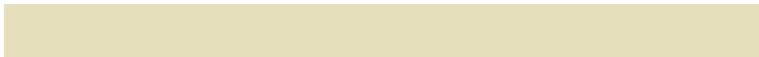
73.2345, 0.2730, 0.2984



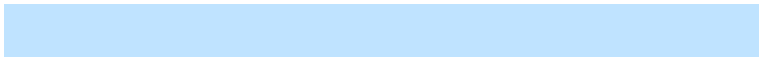
75.6614, 0.3591, 0.3577

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.



73.2345, 0.3405, 0.3674



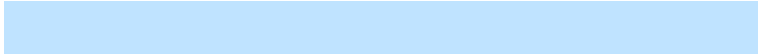
73.2345, 0.2730, 0.2984



73.2345, 0.3559, 0.3423

Square

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



73.2345, 0.2730, 0.2984



73.2345, 0.3267, 0.3067



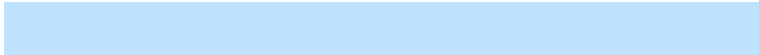
73.2345, 0.3538, 0.3585



73.2345, 0.2980, 0.3530

Rectangle

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



73.2345, 0.2730, 0.2984



73.2345, 0.2972, 0.2933



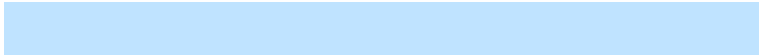
73.2345, 0.3538, 0.3585



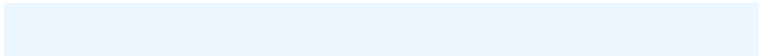
73.2345, 0.3273, 0.3675

Sweetspot

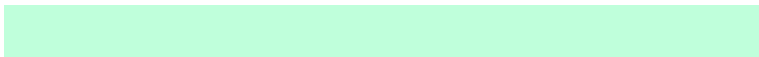
The Sweet Spot groups the original color and five complimentary colors.



73.2374, 0.2730, 0.2984



90.7759, 0.3003, 0.3201



87.6794, 0.2944, 0.3688



19.0743, 0.2979, 0.3183



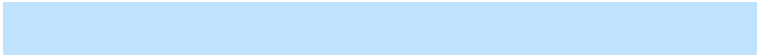
0.0000, 0.0000, 0.0000



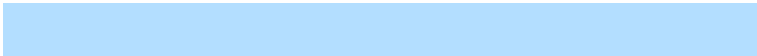
21.4041, 0.3127, 0.3290

Same Dimension

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



73.2374, 0.2730, 0.2984



68.7529, 0.2651, 0.2915



57.4436, 0.2698, 0.2622



19.0743, 0.2979, 0.3183



14.4236, 0.1830, 0.1789



1.6220, 0.1882, 0.1975

Inverse Universe

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



64.0630, 0.3367, 0.2926



58.5504, 0.3428, 0.2852



93.8291, 0.3517, 0.3881



18.1584, 0.3206, 0.3157



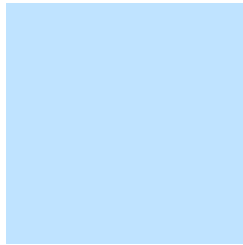
12.1840, 0.4698, 0.2362



1.2083, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 73.2345, 0.2730, 0.2984 looks on a white background.

Color Contrast Check

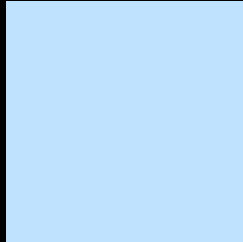
Large Text (above 18pt) WCAG AA × Fail

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 73.2345, 0.2730, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

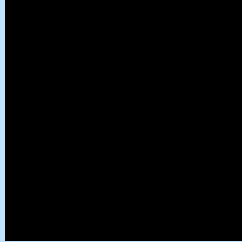
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

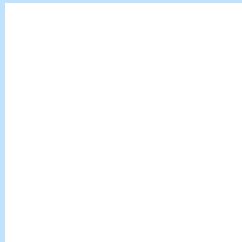
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.2345, 0.2730, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 73.2345, 0.2730, 0.2984.

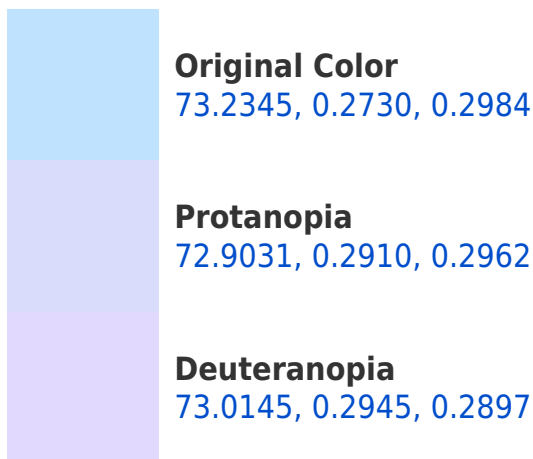


This preview shows how white text looks on a background with the Yxy color 73.2345, 0.2730, 0.2984.

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

73.0210, 0.2762, 0.3079

Trichromacy



Original Color

73.2345, 0.2730, 0.2984

Protanomaly

73.2135, 0.2848, 0.2980

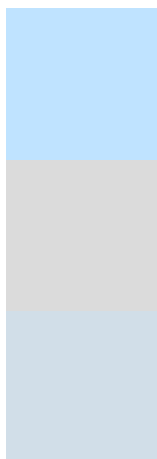
Deuteranomaly

73.0790, 0.2861, 0.2930

Tritanomaly

73.3361, 0.2752, 0.3047

Monochromacy



Original Color

73.2345, 0.2730, 0.2984

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6241, 0.2974, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2345, 0.2730, 0.2984 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 227, 255)  
}
```

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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.2345, 0.2730, 0.2984 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, 227, 255) }
```

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

```
.border{ border-color:rgb(191, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2345, 0.2730, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 227, 255) }
```

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

```
.background{ background-color: rgb(191,  
227, 255) }
```

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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