

Converting Colors

$Y_{xy}(70.0529, 0.2702, 0.2926)$

Have a look what the booklet for
Yxy(70.0529, 0.2702, 0.2926)
contains.

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Color

Yxy(70.0273, 0.2701, 0.2925)

Conversions

Conversions Part 1

Format	Color
Hex	BBDEFF
RGB	187, 222, 255
RGB Percent	73%, 87%, 100%
CMY	0.2667, 0.1294, 0.0000
CMYK	0.27, 0.13, 0.00, 0.00
HSL	209°, 100%, 87%
HSV	209°, 27%, 100%
XYZ	64.6645, 70.0273, 104.7177
YIQ	215.2970, -31.4530, 2.8430

Conversions

Conversions Part 2

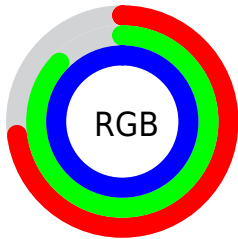
Format	Color
R _Y B	187, 210, 255
Decimal	12312319
CIE Lab	87.01, -4.25, -19.81
CIE LCh	87, 20.264, 257.885
Yxy	70.0273, 0.2701, 0.2925
Android (android.graphics.Color)	4290502399 (0xFFBBDEFF)
YUV	215.2970, 19.5736, -24.8165
Hunter-Lab	83.6823, -8.5103, -15.6163

Details

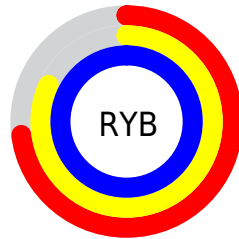
The Yxy color **70.0273, 0.2701, 0.2925** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.0321, 0.3618, 0.3629**, and the grayscale version is **68.0489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **36.6202, 0.2602, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **60.7605, 0.2537, 0.2762**, and if you desaturate by 10%, it is **80.3527, 0.2864, 0.3074**.

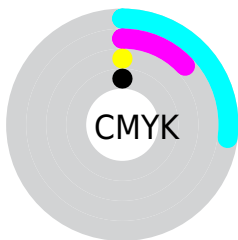
Distribution



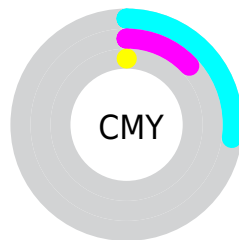
- Red (73%)
- Green (87%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0273, 0.2701, 0.2925 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 70.0273, 0.2701, 0.2925 by changing the saturation by 10% instead.

70.0273, 0.2701,
0.2925

70.0273, 0.2701,
0.2925

460.6459, 0.2897,
0.3095

51.5488, 0.2657,
0.2886

119.2477, 0.2769,
0.2984

36.6455, 0.2602,
0.2838

150.7584, 0.2795,
0.3007

24.9332, 0.2534,
0.2777

187.3819, 0.2818,
0.3027

16.0273, 0.2446,
0.2698

229.5026, 0.2838,
0.3044

9.5435, 0.2327,
0.2591

277.5050, 0.2855,
0.3059

5.0973, 0.2161,
0.2438

331.7734, 0.2871,

2.3045, 0.1913,

0.3072

0.2205

392.6922, 0.2884,
0.3084

0.7761, 0.1483,
0.1815

0.0000, 0.0000,
0.0000

70.0273, 0.2701,
0.2925

70.0273, 0.2701,
0.2925

60.7605, 0.2537,
0.2762

80.3527, 0.2864,
0.3074

52.5040, 0.2377,
0.2587

91.7668, 0.3024,
0.3208

45.2169, 0.2224,
0.2402

100.0000, 0.3127,
0.3290

38.8514, 0.2086,
0.2212

■ 33.3546, 0.1966,
0.2019

■ 28.6661, 0.1869,
0.1831

■ 24.7122, 0.1797,
0.1652

■ 23.5243, 0.1776,
0.1595

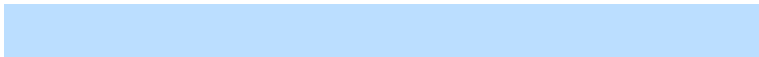
Harmonies

Analogous

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



70.0273, 0.2660, 0.3072



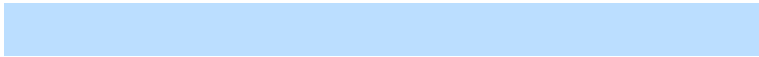
70.0273, 0.2701, 0.2925



70.0273, 0.2852, 0.2878

Triad

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



70.0273, 0.2701, 0.2925



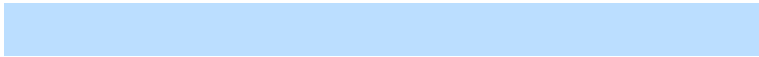
70.0273, 0.3531, 0.3270



70.0273, 0.3158, 0.3684

Complementary

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



70.0273, 0.2701, 0.2925



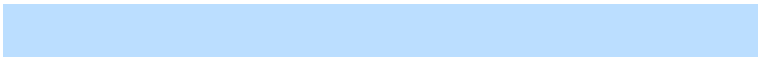
76.0321, 0.3618, 0.3629

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.



70.0273, 0.3397, 0.3728



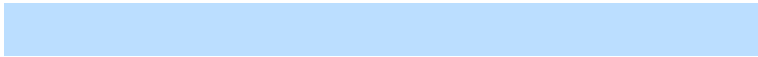
70.0273, 0.2701, 0.2925



70.0273, 0.3618, 0.3478

Square

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



70.0273, 0.2701, 0.2925



70.0273, 0.3331, 0.3075



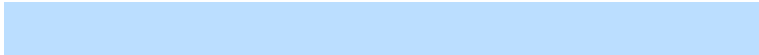
70.0273, 0.3567, 0.3647



70.0273, 0.2917, 0.3520

Rectangle

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



70.0273, 0.2701, 0.2925



70.0273, 0.2999, 0.2905



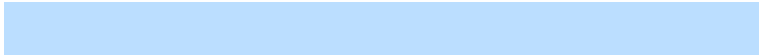
70.0273, 0.3567, 0.3647



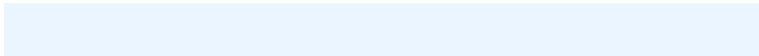
70.0273, 0.3241, 0.3713

Sweetspot

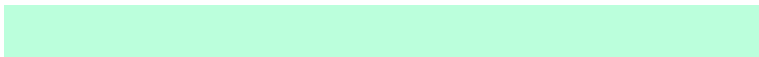
The Sweet Spot groups the original color and five complimentary colors.



70.0299, 0.2701, 0.2925



90.1803, 0.3003, 0.3191



87.2451, 0.2915, 0.3678



18.9243, 0.2979, 0.3172



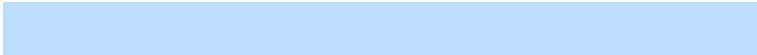
0.0000, 0.0000, 0.0000



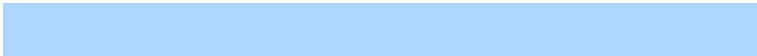
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0299, 0.2701, 0.2925



64.9574, 0.2613, 0.2840



53.8085, 0.2663, 0.2534



18.9243, 0.2979, 0.3172



12.5924, 0.1784, 0.1623



1.4449, 0.1840, 0.1825

Inverse Universe

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



62.0751, 0.3413, 0.2934



56.2279, 0.3488, 0.2860



95.6469, 0.3534, 0.3949



18.1432, 0.3213, 0.3168



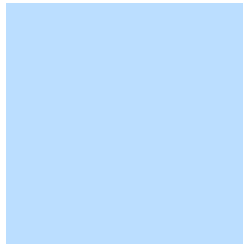
11.9992, 0.4902, 0.2474



1.1904, 0.4656, 0.2338

Previews

White Background



This preview shows how the Yxy color 70.0273, 0.2701, 0.2925 looks on a white background.

Color Contrast Check

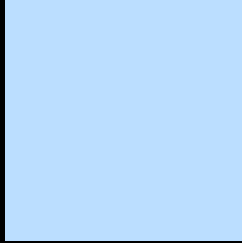
Large Text (above 18pt) WCAG AA × Fail

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 70.0273, 0.2701, 0.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

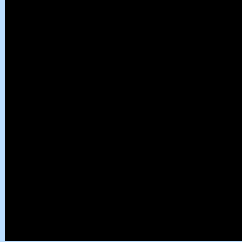
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

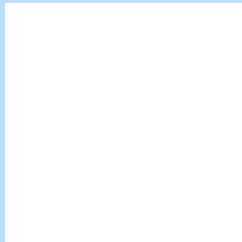
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0273, 0.2701, 0.2925

Background



This preview shows how black text looks on a background with the Yxy color 70.0273, 0.2701, 0.2925.

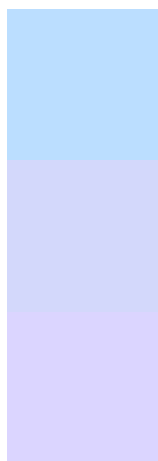


This preview shows how white text looks on a background with the Yxy color 70.0273, 0.2701, 0.2925.

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

70.0273, 0.2701, 0.2925

Protanopia

69.9257, 0.2869, 0.2915

Deuteranopia

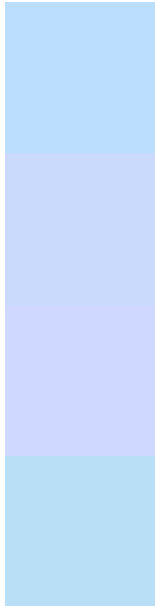
69.8686, 0.2897, 0.2849



Tritanopia

69.9125, 0.2756, 0.3086

Trichromacy



Original Color

70.0273, 0.2701, 0.2925

Protanomaly

69.7276, 0.2806, 0.2921

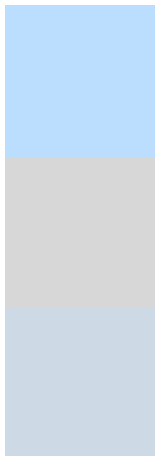
Deuteranomaly

69.5971, 0.2820, 0.2871

Tritanomaly

69.8050, 0.2734, 0.3020

Monochromacy



Original Color

70.0273, 0.2701, 0.2925

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.8351, 0.2959, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0273, 0.2701, 0.2925 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(187, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 222, 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(187, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0273, 0.2701, 0.2925 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(187, 222, 255) }
```

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

```
.border{ border-color:rgb(187, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 222,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.0273, 0.2701, 0.2925$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 222, 255) }
```

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

```
.background{ background-color: rgb(187,  
222, 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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