

Converting Colors

$Yxy(77.6072, 0.2310, 0.2147)$

Have a look what the booklet for
Yxy(77.6072, 0.2310, 0.2147)
contains.

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Color

Yxy(70.4097, 0.2719, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	BEDEFF
RGB	190, 222, 255
RGB Percent	75%, 87%, 100%
CMY	0.2548, 0.1294, 0.0001
CMYK	0.25, 0.13, 0.00, 0.00
HSL	210°, 100%, 87%
HSV	210°, 25%, 100%
XYZ	65.4062, 70.4097, 104.7365
YIQ	216.1940, -29.6650, 3.4790

Conversions

Conversions Part 2

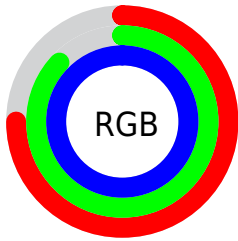
Format	Color
R _Y B	190, 211, 255
Decimal	12508927
CIE Lab	87.20, -3.38, -19.50
CIE LCh	87, 19.793, 260.154
Yxy	70.4097, 0.2719, 0.2927
Android (android.graphics.Color)	4290699007 (0xFFBEDEFF)
YUV	216.1940, 19.1314, -22.9721
Hunter-Lab	83.9105, -7.7069, -15.2681

Details

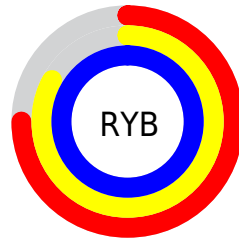
The Yxy color **70.4097, 0.2719, 0.2927** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.7474, 0.3589, 0.3627**, and the grayscale version is **68.6934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **36.8655, 0.2623, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **60.7970, 0.2553, 0.2758**, and if you desaturate by 10%, it is **81.1303, 0.2883, 0.3081**.

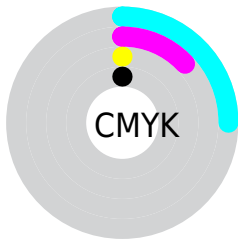
Distribution



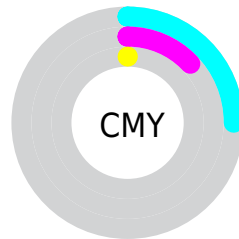
- Red (75%)
- Green (87%)
- Blue (100%)



- Red (75%)
- Yellow (83%)
- Blue (100%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4097, 0.2719, 0.2927 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 70.4097, 0.2719, 0.2927 by changing the saturation by 10% instead.

■ 70.4097, 0.2719,
0.2927

■ 70.4097, 0.2719,
0.2927

■ 461.9872, 0.2907,
0.3096

■ 51.8606, 0.2677,
0.2889

■ 119.7928, 0.2784,
0.2986

■ 36.8940, 0.2625,
0.2841

■ 151.3957, 0.2809,
0.3008

■ 25.1254, 0.2559,
0.2781

■ 188.1185, 0.2831,
0.3028

■ 16.1705, 0.2474,
0.2703

■ 230.3458, 0.2850,
0.3045

■ 9.6449, 0.2361,
0.2597

■ 278.4620, 0.2867,
0.3060

■ 5.1642, 0.2201,
0.2447

■ 332.8513, 0.2881,

■ 2.3439, 0.1962,

0.3073

0.2218

393.8983, 0.2895,
0.3085

0.7968, 0.1555,
0.1837

0.0000, 0.0000,
0.0000

70.4097, 0.2719,
0.2927

70.4097, 0.2719,
0.2927

60.7970, 0.2553,
0.2758

81.1303, 0.2883,
0.3081

52.2420, 0.2389,
0.2576

92.9893, 0.3043,
0.3220

44.7028, 0.2233,
0.2383

99.9990, 0.3127,
0.3290

38.1304, 0.2089,
0.2183

■ 32.4711, 0.1964,
0.1982

■ 27.6633, 0.1861,
0.1786

■ 23.6339, 0.1784,
0.1599

■ 22.0258, 0.1755,
0.1519

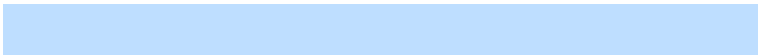
Harmonies

Analogous

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



70.4097, 0.2670, 0.3064



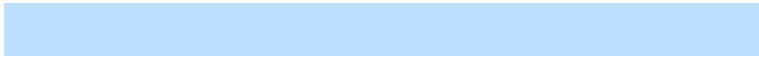
70.4097, 0.2719, 0.2927



70.4097, 0.2874, 0.2889

Triad

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



70.4097, 0.2719, 0.2927



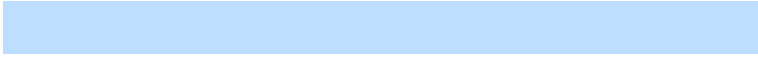
70.4097, 0.3531, 0.3286



70.4097, 0.3138, 0.3665

Complementary

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



70.4097, 0.2719, 0.2927



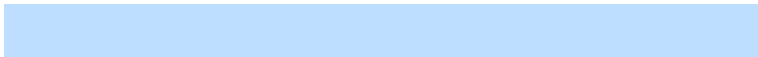
77.7474, 0.3589, 0.3627

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.



70.4097, 0.3374, 0.3718



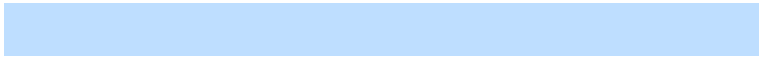
70.4097, 0.2719, 0.2927



70.4097, 0.3607, 0.3488

Square

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



70.4097, 0.2719, 0.2927



70.4097, 0.3344, 0.3093



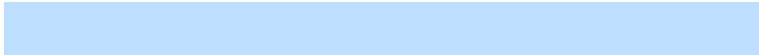
70.4097, 0.3547, 0.3648



70.4097, 0.2906, 0.3498

Rectangle

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



70.4097, 0.2719, 0.2927



70.4097, 0.3020, 0.2919



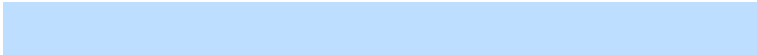
70.4097, 0.3547, 0.3648



70.4097, 0.3220, 0.3697

Sweetspot

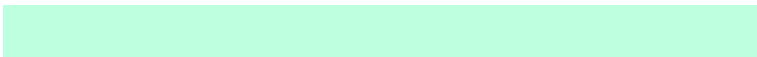
The Sweet Spot groups the original color and five complimentary colors.



70.4125, 0.2719, 0.2927



89.9041, 0.3003, 0.3187



87.7596, 0.2918, 0.3646



18.8548, 0.2979, 0.3166



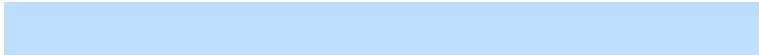
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



70.4125, 0.2719, 0.2927



64.9804, 0.2627, 0.2835



55.0006, 0.2685, 0.2560



18.8548, 0.2979, 0.3166



11.8079, 0.1764, 0.1548



1.3678, 0.1821, 0.1756

Inverse Universe

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



63.3639, 0.3408, 0.2965



57.1908, 0.3489, 0.2891



96.4854, 0.3514, 0.3929



18.1362, 0.3217, 0.3174



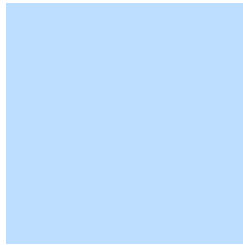
11.9200, 0.4997, 0.2526



1.1826, 0.4738, 0.2384

Previews

White Background



This preview shows how the Yxy color 70.4097, 0.2719, 0.2927 looks on a white background.

Color Contrast Check

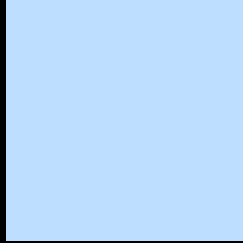
Large Text (above 18pt) WCAG AA × Fail

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 70.4097, 0.2719, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

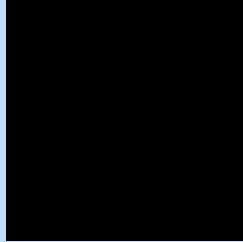
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

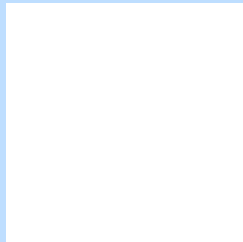
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4097, 0.2719, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 70.4097, 0.2719, 0.2927.



This preview shows how white text looks on a background with the Yxy color 70.4097, 0.2719, 0.2927.

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

70.4097, 0.2719, 0.2927

Protanopia

70.0738, 0.2876, 0.2916

Deuteranopia

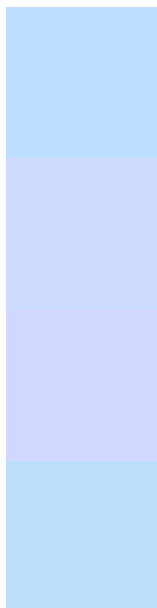
70.0241, 0.2904, 0.2849



Tritanopia

70.2869, 0.2774, 0.3087

Trichromacy



Original Color

70.4097, 0.2719, 0.2927

Protanomaly

70.0085, 0.2819, 0.2922

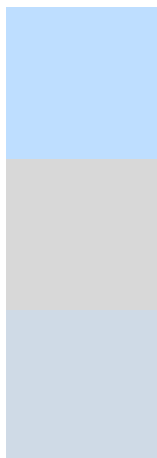
Deuteranomaly

69.8870, 0.2832, 0.2873

Tritanomaly

70.1821, 0.2752, 0.3022

Monochromacy



Original Color

70.4097, 0.2719, 0.2927

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.1214, 0.2972, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4097, 0.2719, 0.2927 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(190, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4097, 0.2719, 0.2927 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(190, 222, 255) }
```

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

```
.border{ border-color:rgb(190, 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(190, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4097, 0.2719, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 222, 255) }
```

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

```
.background{ background-color: rgb(190,  
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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