

Converting Colors

$Yxy(71.1105, 0.2767, 0.2922)$

Have a look what the booklet for
Yxy(71.1105, 0.2767, 0.2922)
contains.

Yxy(70.9387, 0.2766, 0.2921)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9387, 0.2766, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	C6DDFF
RGB	198, 221, 255
RGB Percent	78%, 87%, 100%
CMY	0.2239, 0.1332, 0.0001
CMYK	0.22, 0.13, 0.00, 0.00
HSL	216°, 100%, 89%
HSV	216°, 22%, 100%
XYZ	67.1744, 70.9387, 104.7445
YIQ	217.9990, -24.6220, 5.6980

Conversions

Conversions Part 2

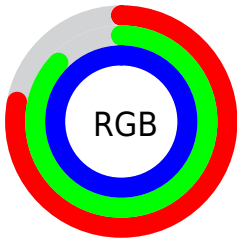
Format	Color
R _Y B	198, 214, 255
Decimal	13032959
CIE Lab	87.46, -0.55, -19.06
CIE LCh	87, 19.070, 268.337
Yxy	70.9387, 0.2766, 0.2921
Android (android.graphics.Color)	4291223039 (0xFFC6DDFF)
YUV	217.9990, 18.2415, -17.5391
Hunter-Lab	84.2251, -5.0299, -14.7770

Details

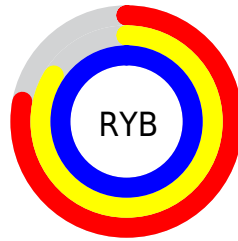
The Yxy color **70.9387, 0.2766, 0.2921** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.9648, 0.3514, 0.3633**, and the grayscale version is **69.9863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1893, 0.2682, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **60.1126, 0.2594, 0.2726**, and if you desaturate by 10%, it is **83.0774, 0.2933, 0.3097**.

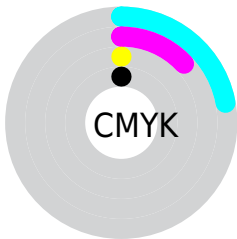
Distribution



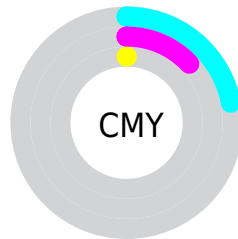
- Red (78%)
- Green (87%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9387, 0.2766, 0.2921 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 70.9387, 0.2766, 0.2921 by changing the saturation by 10% instead.

70.9387, 0.2766,
0.2921

70.9387, 0.2766,
0.2921

463.8391, 0.2932,
0.3091

52.2922, 0.2728,
0.2882

120.5464, 0.2823,
0.2980

37.2380, 0.2682,
0.2835

152.2764, 0.2846,
0.3003

25.3918, 0.2624,
0.2775

189.1364, 0.2865,
0.3023

16.3692, 0.2548,
0.2697

231.5107, 0.2882,
0.3040

9.7858, 0.2446,
0.2592

279.7837, 0.2897,
0.3055

5.2572, 0.2303,
0.2444

334.3398, 0.2910,

2.3989, 0.2086,

0.3068

0.2220

395.5635, 0.2922,
0.3080

0.8253, 0.1727,
0.1849

0.0000, 0.0000,
0.0000

70.9387, 0.2766,
0.2921

70.9387, 0.2766,
0.2921

60.1126, 0.2594,
0.2726

83.0774, 0.2933,
0.3097

50.5423, 0.2420,
0.2515

96.5656, 0.3091,
0.3255

42.1790, 0.2249,
0.2290

99.9989, 0.3127,
0.3290

34.9670, 0.2089,
0.2058

■ 28.8453, 0.1945,
0.1824

■ 23.7459, 0.1824,
0.1598

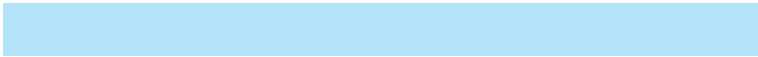
■ 19.5896, 0.1732,
0.1388

■ 16.9792, 0.1679,
0.1243

Harmonies

Analogous

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



70.9387, 0.2689, 0.3029



70.9387, 0.2766, 0.2921



70.9387, 0.2938, 0.2911

Triad

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



70.9387, 0.2766, 0.2921



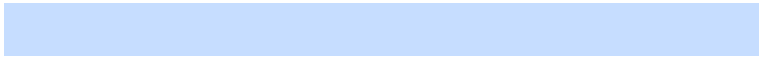
70.9387, 0.3548, 0.3341



70.9387, 0.3074, 0.3615

Complementary

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



70.9387, 0.2766, 0.2921



82.9648, 0.3514, 0.3633

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.



70.9387, 0.3306, 0.3699



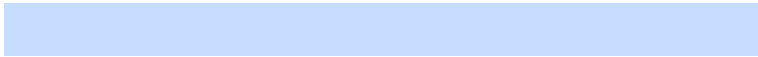
70.9387, 0.2766, 0.2921



70.9387, 0.3585, 0.3529

Square

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



70.9387, 0.2766, 0.2921



70.9387, 0.3392, 0.3148



70.9387, 0.3495, 0.3663



70.9387, 0.2863, 0.3434

Rectangle

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



70.9387, 0.2766, 0.2921



70.9387, 0.3088, 0.2956



70.9387, 0.3495, 0.3663



70.9387, 0.3153, 0.3656

Sweetspot

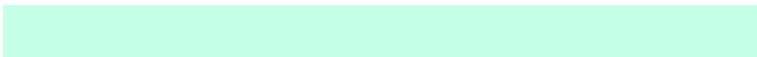
The Sweet Spot groups the original color and five complimentary colors.



70.9416, 0.2766, 0.2921



90.1815, 0.3019, 0.3185



89.2836, 0.2917, 0.3545



19.1281, 0.3009, 0.3175



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.



70.9416, 0.2766, 0.2921



65.7927, 0.2687, 0.2833



60.2149, 0.2778, 0.2666



18.5859, 0.2979, 0.3145



9.1478, 0.1687, 0.1274



1.0985, 0.1749, 0.1497

Inverse Universe

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



66.8254, 0.3405, 0.3056



61.2983, 0.3479, 0.3005



95.9483, 0.3434, 0.3857



18.1091, 0.3230, 0.3194



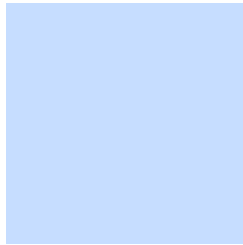
11.6514, 0.5363, 0.2728



1.1554, 0.5064, 0.2563

Previews

White Background



This preview shows how the Yxy color 70.9387, 0.2766, 0.2921 looks on a white background.

Color Contrast Check

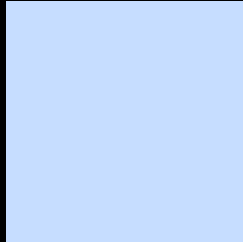
Large Text (above 18pt) WCAG AA × Fail

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 70.9387, 0.2766, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

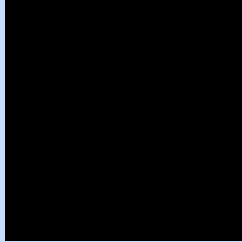
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

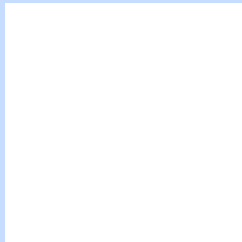
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9387, 0.2766, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 70.9387, 0.2766, 0.2921.

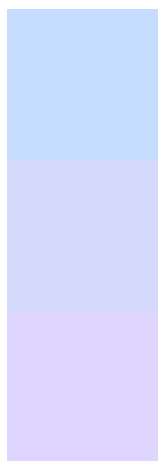


This preview shows how white text looks on a background with the Yxy color 70.9387, 0.2766, 0.2921.

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

70.9387, 0.2766, 0.2921

Protanopia

70.8001, 0.2877, 0.2917

Deuteranopia

70.8427, 0.2918, 0.2862



Tritanopia

70.7283, 0.2829, 0.3089

Trichromacy



Original Color

70.9387, 0.2766, 0.2921

Protanomaly

70.6446, 0.2839, 0.2914

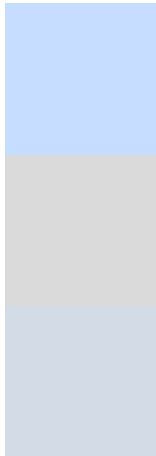
Deuteranomaly

70.9918, 0.2859, 0.2887

Tritanomaly

70.6321, 0.2806, 0.3025

Monochromacy



Original Color

70.9387, 0.2766, 0.2921

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2814, 0.2993, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9387, 0.2766, 0.2921 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(198, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 221, 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(198, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.9387, 0.2766, 0.2921 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(198, 221, 255) }
```

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

```
.border{ border-color:rgb(198, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9387, 0.2766, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 221, 255) }
```

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

```
.background{ background-color: rgb(198,  
221, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor