

Converting Colors

$Yxy(72.2321, 0.2668, 0.2728)$

Have a look what the booklet for
Yxy(72.2321, 0.2668, 0.2728)
contains.

Yxy(71.0750, 0.2773, 0.2921)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.0750, 0.2773, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	C7DDFF
RGB	199, 221, 255
RGB Percent	78%, 87%, 100%
CMY	0.2193, 0.1334, 0.0000
CMYK	0.22, 0.13, 0.00, 0.00
HSL	216°, 100%, 89%
HSV	216°, 22%, 100%
XYZ	67.4738, 71.0750, 104.7754
YIQ	218.2980, -24.0260, 5.9100

Conversions

Conversions Part 2

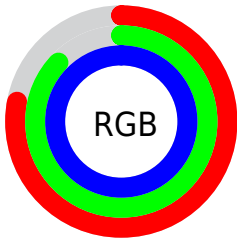
Format	Color
R_{YB}	199, 215, 255
Decimal	13098495
CIE _{Lab}	87.52, -0.18, -18.97
CIE _{LCh}	88, 18.968, 269.462
Yxy	71.0750, 0.2773, 0.2921
Android (android.graphics.Color)	4291288575 (0xFFC7DDFF)
YUV	218.2980, 18.0941, -16.9243
Hunter-Lab	84.3060, -4.6741, -14.6714

Details

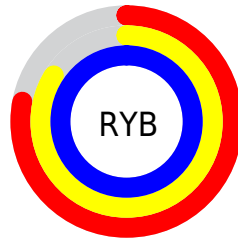
The Yxy color **71.0750, 0.2773, 0.2921** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.7126, 0.3503, 0.3633**, and the grayscale version is **70.2213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2789, 0.2689, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **60.0612, 0.2600, 0.2723**, and if you desaturate by 10%, it is **83.4346, 0.2940, 0.3101**.

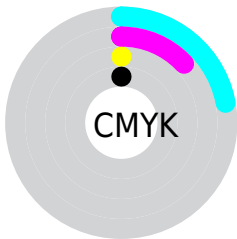
Distribution



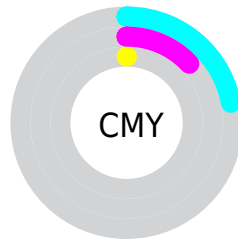
- Red (78%)
- Green (87%)
- Blue (100%)



- 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 71.0750, 0.2773, 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 71.0750, 0.2773, 0.2921 by changing the saturation by 10% instead.

■ 71.0750, 0.2773,
0.2921

■ 71.0750, 0.2773,
0.2921

464.3156, 0.2936,
0.3091

■ 52.4034, 0.2736,
0.2882

120.7405, 0.2829,
0.2980

■ 37.3267, 0.2691,
0.2835

152.5032, 0.2851,
0.3003

■ 25.4606, 0.2633,
0.2775

189.3984, 0.2870,
0.3022

■ 16.4205, 0.2559,
0.2698

231.8105, 0.2887,
0.3040

■ 9.8222, 0.2459,
0.2593

280.1239, 0.2901,
0.3055

■ 5.2812, 0.2318,
0.2446

334.7229, 0.2914,

■ 2.4132, 0.2105,

0.3068

0.2223

395.9920, 0.2926,
0.3080

■ 0.8327, 0.1753,
0.1855

■ 0.0000, 0.0000,
0.0000

■ 71.0750, 0.2773,
0.2921

■ 71.0750, 0.2773,
0.2921

■ 60.0612, 0.2600,
0.2723

■ 83.4346, 0.2940,
0.3101

■ 50.3364, 0.2425,
0.2507

■ 97.1793, 0.3098,
0.3261

■ 41.8503, 0.2252,
0.2278

■ 100.0000, 0.3127,
0.3290

■ 34.5457, 0.2089,
0.2040

■ 28.3603, 0.1943,
0.1802

■ 23.2246, 0.1820,
0.1571

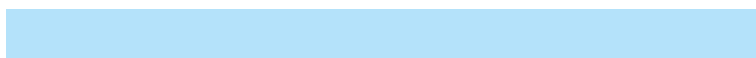
■ 19.0582, 0.1725,
0.1359

■ 16.3189, 0.1668,
0.1204

Harmonies

Analogous

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



71.0750, 0.2693, 0.3025



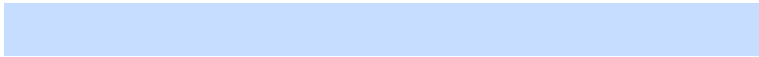
71.0750, 0.2773, 0.2921



71.0750, 0.2947, 0.2914

Triad

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



71.0750, 0.2773, 0.2921



71.0750, 0.3549, 0.3348



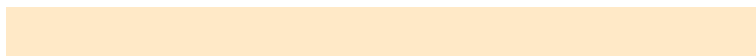
71.0750, 0.3066, 0.3608

Complementary

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



71.0750, 0.2773, 0.2921



83.7126, 0.3503, 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.



71.0750, 0.3297, 0.3696



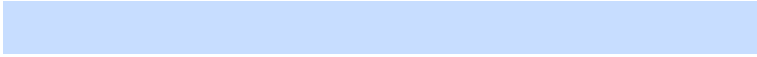
71.0750, 0.2773, 0.2921



71.0750, 0.3581, 0.3534

Square

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



71.0750, 0.2773, 0.2921



71.0750, 0.3398, 0.3156



71.0750, 0.3487, 0.3664



71.0750, 0.2857, 0.3425

Rectangle

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



71.0750, 0.2773, 0.2921



71.0750, 0.3097, 0.2962



71.0750, 0.3487, 0.3664



71.0750, 0.3144, 0.3650

Sweetspot

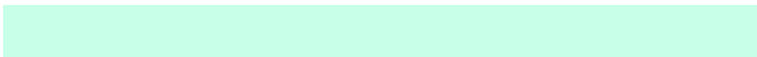
The Sweet Spot groups the original color and five complimentary colors.



71.0774, 0.2773, 0.2921



90.0386, 0.3019, 0.3182



89.5338, 0.2916, 0.3529



19.0951, 0.3009, 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.



71.0774, 0.2773, 0.2921



66.4381, 0.2703, 0.2843



61.0308, 0.2793, 0.2681



18.5452, 0.2979, 0.3141



8.7966, 0.1676, 0.1235



1.0617, 0.1739, 0.1459

Inverse Universe

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



67.3592, 0.3404, 0.3068



62.4161, 0.3470, 0.3025



95.8614, 0.3422, 0.3846



18.1049, 0.3232, 0.3197



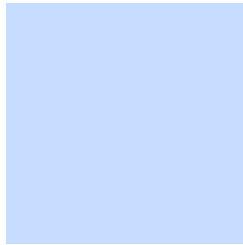
11.6160, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 71.0750, 0.2773, 0.2921 looks on a white background.

Color Contrast Check

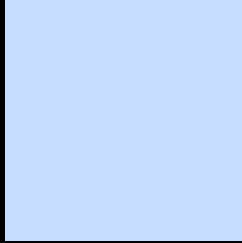
Large Text (above 18pt) WCAG AA × Fail

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 71.0750, 0.2773, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

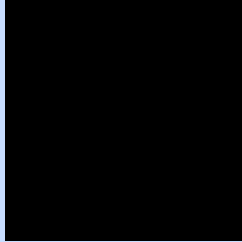
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

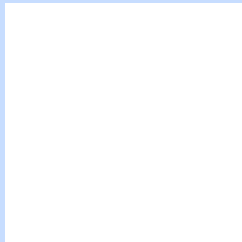
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.0750, 0.2773, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 71.0750, 0.2773, 0.2921.



This preview shows how white text looks on a background with the Yxy color 71.0750, 0.2773, 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

71.0750, 0.2773, 0.2921

Protanopia

70.8637, 0.2871, 0.2907

Deuteranopia

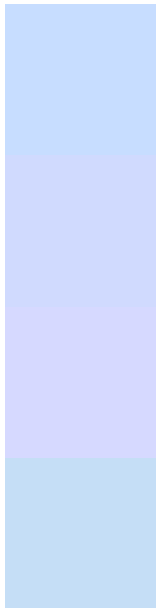
70.8427, 0.2918, 0.2862



Tritanopia

70.8620, 0.2835, 0.3090

Trichromacy



Original Color

71.0750, 0.2773, 0.2921

Protanomaly

70.7085, 0.2833, 0.2904

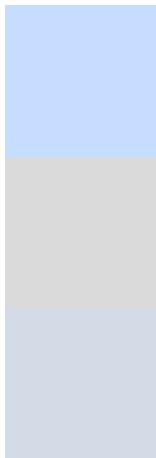
Deuteranomaly

71.1418, 0.2866, 0.2888

Tritanomaly

70.7667, 0.2812, 0.3025

Monochromacy



Original Color

71.0750, 0.2773, 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 71.0750, 0.2773, 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(199, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.0750, 0.2773, 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(199, 221, 255) }
```

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

```
.border{ border-color:rgb(199, 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(199, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 221,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0750, 0.2773, 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(199, 221, 255) }
```

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

```
.background{ background-color: rgb(199,  
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