

Converting Colors

$Yxy(73.9311, 0.2624, 0.2652)$

Have a look what the booklet for
Yxy(73.9311, 0.2624, 0.2652)
contains.

Yxy(71.7419, 0.2780, 0.2933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.7419, 0.2780, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	C8DEFF
RGB	200, 222, 255
RGB Percent	78%, 87%, 100%
CMY	0.2155, 0.1294, 0.0000
CMYK	0.22, 0.13, 0.00, 0.00
HSL	216°, 100%, 89%
HSV	216°, 22%, 100%
XYZ	67.9995, 71.7419, 104.8611
YIQ	219.1840, -23.7050, 5.5990

Conversions

Conversions Part 2

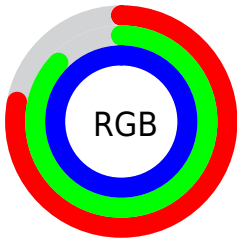
Format	Color
R _Y B	200, 216, 255
Decimal	13164287
CIE Lab	87.84, -0.41, -18.46
CIE LCh	88, 18.469, 268.716
Yxy	71.7419, 0.2780, 0.2933
Android (android.graphics.Color)	4291354367 (0xFFC8DEFF)
YUV	219.1840, 17.6573, -16.8244
Hunter-Lab	84.7006, -4.9223, -14.1118

Details

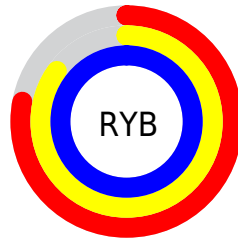
The Yxy color **71.7419, 0.2780, 0.2933** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.7378, 0.3497, 0.3623**, and the grayscale version is **70.8674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7344, 0.2699, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **60.7509, 0.2608, 0.2738**, and if you desaturate by 10%, it is **84.0633, 0.2946, 0.3110**.

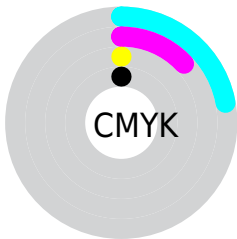
Distribution



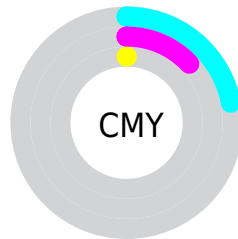
- Red (78%)
- Green (87%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- 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 71.7419, 0.2780, 0.2933 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 71.7419, 0.2780, 0.2933 by changing the saturation by 10% instead.

■ 71.7419, 0.2780,
0.2933

■ 71.7419, 0.2780,
0.2933

466.6428, 0.2940,
0.3097

■ 52.9479, 0.2744,
0.2896

121.6895, 0.2835,
0.2990

■ 37.7612, 0.2699,
0.2850

153.6119, 0.2857,
0.3012

■ 25.7974, 0.2644,
0.2792

190.6791, 0.2875,
0.3031

■ 16.6721, 0.2571,
0.2717

233.2757, 0.2891,
0.3048

■ 10.0010, 0.2474,
0.2617

281.7859, 0.2906,
0.3062

■ 5.3996, 0.2336,
0.2474

336.5943, 0.2918,

■ 2.4836, 0.2129,

0.3075

0.2259

398.0851, 0.2930,
0.3087

0.8684, 0.1787,
0.1904

0.0000, 0.0000,
0.0000

71.7419, 0.2780,
0.2933

71.7419, 0.2780,
0.2933

60.7509, 0.2608,
0.2738

84.0633, 0.2946,
0.3110

51.0331, 0.2433,
0.2526

97.7523, 0.3104,
0.3267

42.5395, 0.2261,
0.2300

99.9993, 0.3127,
0.3290

35.2140, 0.2099,
0.2065

■ 28.9955, 0.1953,
0.1829

■ 23.8158, 0.1829,
0.1601

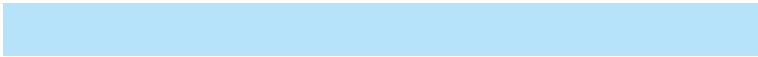
■ 19.5961, 0.1734,
0.1388

■ 16.6881, 0.1674,
0.1226

Harmonies

Analogous

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



71.7419, 0.2704, 0.3036



71.7419, 0.2780, 0.2933



71.7419, 0.2948, 0.2924

Triad

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



71.7419, 0.2780, 0.2933



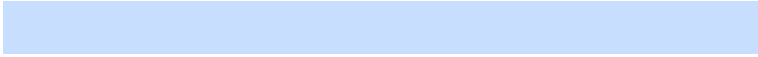
71.7419, 0.3534, 0.3342



71.7419, 0.3074, 0.3602

Complementary

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



71.7419, 0.2780, 0.2933



83.7378, 0.3497, 0.3623

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.



71.7419, 0.3298, 0.3684



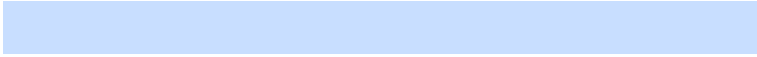
71.7419, 0.2780, 0.2933



71.7419, 0.3569, 0.3523

Square

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



71.7419, 0.2780, 0.2933



71.7419, 0.3386, 0.3155



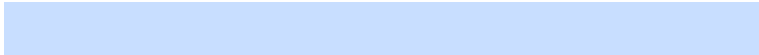
71.7419, 0.3480, 0.3651



71.7419, 0.2870, 0.3426

Rectangle

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



71.7419, 0.2780, 0.2933



71.7419, 0.3093, 0.2969



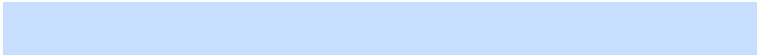
71.7419, 0.3480, 0.3651



71.7419, 0.3149, 0.3642

Sweetspot

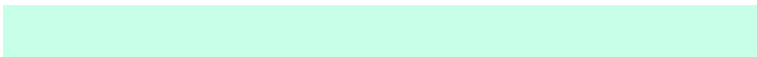
The Sweet Spot groups the original color and five complimentary colors.



71.7448, 0.2780, 0.2933



91.4887, 0.3035, 0.3199



89.6841, 0.2920, 0.3524



19.3906, 0.3024, 0.3189



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.



71.7448, 0.2780, 0.2933



66.6912, 0.2704, 0.2848



61.6107, 0.2799, 0.2693



18.5682, 0.2979, 0.3143



8.9931, 0.1683, 0.1257



1.0823, 0.1745, 0.1480

Inverse Universe

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



67.8656, 0.3395, 0.3068



62.4416, 0.3465, 0.3020



95.9168, 0.3417, 0.3836



18.1073, 0.3231, 0.3195



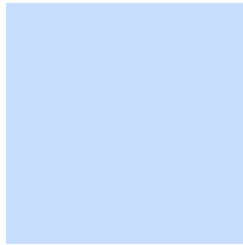
11.6358, 0.5387, 0.2741



1.1538, 0.5085, 0.2575

Previews

White Background



This preview shows how the Yxy color 71.7419, 0.2780, 0.2933 looks on a white background.

Color Contrast Check

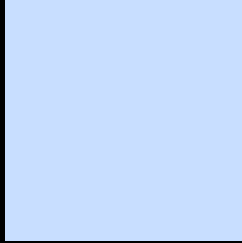
Large Text (above 18pt) WCAG AA × Fail

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 71.7419, 0.2780, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

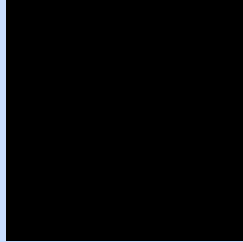
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

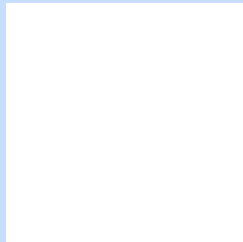
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7419, 0.2780, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 71.7419, 0.2780, 0.2933.



This preview shows how white text looks on a background with the Yxy color 71.7419, 0.2780, 0.2933.

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

71.7419, 0.2780, 0.2933

Protanopia

71.5308, 0.2878, 0.2919

Deuteranopia

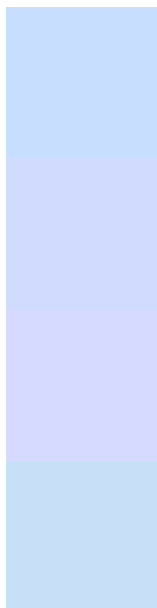
71.6682, 0.2931, 0.2874



Tritanopia

71.7279, 0.2843, 0.3091

Trichromacy



Original Color

71.7419, 0.2780, 0.2933

Protanomaly

71.3741, 0.2840, 0.2916

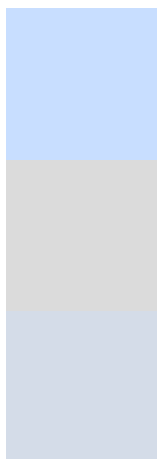
Deuteranomaly

71.8099, 0.2873, 0.2899

Tritanomaly

71.6329, 0.2820, 0.3027

Monochromacy



Original Color

71.7419, 0.2780, 0.2933

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.0096, 0.2994, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7419, 0.2780, 0.2933 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(200, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7419, 0.2780, 0.2933 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(200, 222, 255) }
```

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

```
.border{ border-color:rgb(200, 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(200, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7419, 0.2780, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 222, 255) }
```

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

```
.background{ background-color: rgb(200,  
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](#).

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