

# Converting Colors

$Yxy(73.0075, 0.2788, 0.3035)$

Have a look what the booklet for  
Yxy(73.0075, 0.2788, 0.3035)  
contains.

<b>Yxy(72.9680, 0.2792, 0.3038)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.9680, 0.2792, 0.3038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E2F9
RGB	196, 226, 249
RGB Percent	77%, 89%, 98%
CMY	0.2313, 0.1137, 0.0236
CMYK	0.21, 0.09, 0.00, 0.02
HSL	206°, 81%, 87%
HSV	206°, 21%, 98%
XYZ	67.0595, 72.9680, 100.1569
YIQ	219.6520, -25.2630, 0.7930

# Conversions

## Conversions Part 2

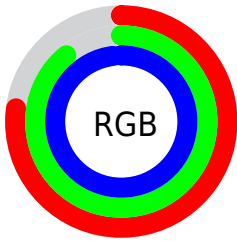
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 215, 249
Decimal	12903161
CIE Lab	88.43, -5.02, -14.45
CIE LCh	88, 15.299, 250.846
Yxy	72.9680, 0.2792, 0.3038
Android (android.graphics.Color)	4291093241 (0xFFC4E2F9)
YUV	219.6520, 14.4686, -20.7428
Hunter-Lab	85.4213, -9.3570, -9.7229

# Details

The Yxy color **72.9680, 0.2792, 0.3038** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7800, 0.3509, 0.3529**, and the grayscale version is **71.2279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **38.6388, 0.2708, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **64.2141, 0.2632, 0.2900**, and if you desaturate by 10%, it is **82.6519, 0.2952, 0.3164**.

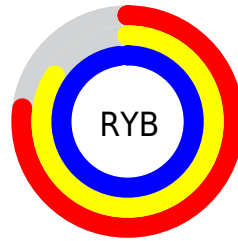
# Distribution



Red (77%)

Green (89%)

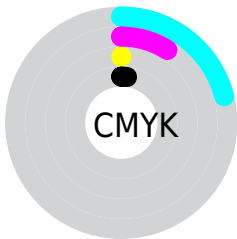
Blue (98%)



Red (77%)

Yellow (84%)

Blue (98%)

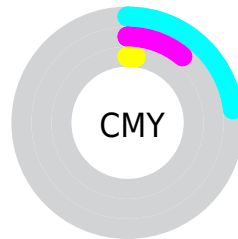


Cyan (21%)

Magenta (9%)

Yellow (0%)

Black (2%)



Cyan (23%)

Magenta (11%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9680, 0.2792, 0.3038 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 72.9680, 0.2792, 0.3038 by changing the saturation by 10% instead.



■ 72.9680, 0.2792,  
0.3038

■ 72.9680, 0.2792,  
0.3038

470.9039, 0.2945,  
0.3155

■ 53.9498, 0.2757,  
0.3011

123.4318, 0.2845,  
0.3079

■ 38.5615, 0.2715,  
0.2978

155.6461, 0.2866,  
0.3095

■ 26.4188, 0.2661,  
0.2936

193.0280, 0.2883,  
0.3108

■ 17.1372, 0.2592,  
0.2881

235.9618, 0.2899,  
0.3120

■ 10.3324, 0.2499,  
0.2806

284.8319, 0.2913,  
0.3130

■ 5.6199, 0.2368,  
0.2698

340.0227, 0.2925,

■ 2.6154, 0.2170,

0.3140

0.2531

401.9185, 0.2936,  
0.3148

0.9344, 0.1837,  
0.2244

0.0000, 0.0000,  
0.0000

72.9680, 0.2792,  
0.3038

72.9680, 0.2792,  
0.3038

64.2141, 0.2632,  
0.2900

82.6519, 0.2952,  
0.3164

56.3471, 0.2474,  
0.2751

93.2890, 0.3108,  
0.3277

49.3336, 0.2323,  
0.2592

99.6185, 0.3162,  
0.3347

43.1338, 0.2184,  
0.2425

■ 37.7039, 0.2062,  
0.2254

■ 32.9944, 0.1959,  
0.2083

■ 28.9471, 0.1880,  
0.1917

■ 25.8819, 0.1827,  
0.1776

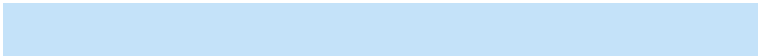
# Harmonies

## Analogous

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



72.9680, 0.2782, 0.3165



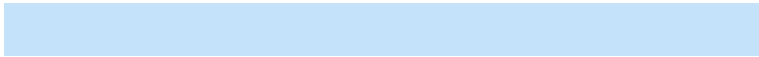
72.9680, 0.2792, 0.3038



72.9680, 0.2889, 0.2982

# Triad

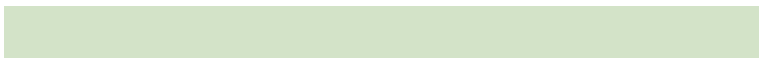
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.9680, 0.2792, 0.3038



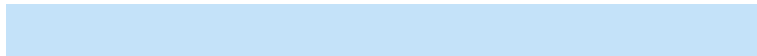
72.9680, 0.3398, 0.3240



72.9680, 0.3195, 0.3596

# Complementary

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



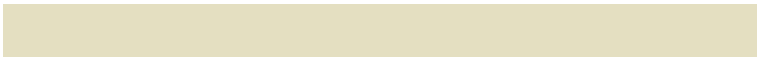
72.9680, 0.2792, 0.3038



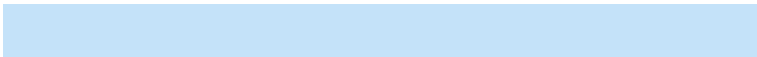
74.7800, 0.3509, 0.3529

# 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.



72.9680, 0.3365, 0.3609



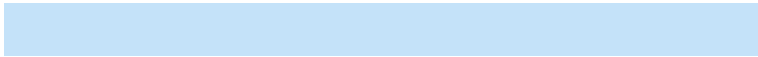
72.9680, 0.2792, 0.3038



72.9680, 0.3485, 0.3398

# Square

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



72.9680, 0.2792, 0.3038



72.9680, 0.3238, 0.3098



72.9680, 0.3472, 0.3534

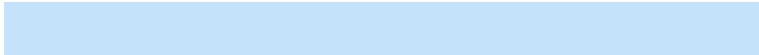


72.9680, 0.3011, 0.3494



# Rectangle

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



72.9680, 0.2792, 0.3038



72.9680, 0.2992, 0.2989



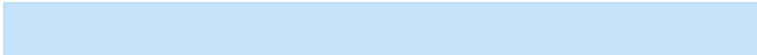
72.9680, 0.3472, 0.3534



72.9680, 0.3256, 0.3611

# Sweetspot

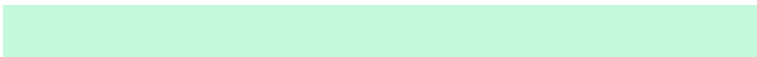
The Sweet Spot groups the original color and five complimentary colors.



72.9710, 0.2792, 0.3038



93.0511, 0.3034, 0.3225



84.5905, 0.2971, 0.3620



19.7597, 0.3024, 0.3217



0.0000, 0.0000, 0.0000

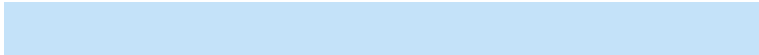


21.4041, 0.3127, 0.3290

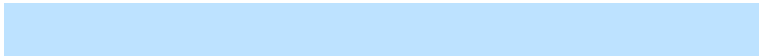


# Same Dimension

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



72.9710, 0.2792, 0.3038



72.5240, 0.2716, 0.2974



59.6728, 0.2771, 0.2737



18.2742, 0.2980, 0.3185



14.1443, 0.1834, 0.1802



1.5208, 0.1888, 0.1996



# Inverse Universe

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



65.1127, 0.3322, 0.2982



63.0304, 0.3376, 0.2910



89.7007, 0.3456, 0.3789



17.3899, 0.3205, 0.3157



11.8388, 0.4683, 0.2353

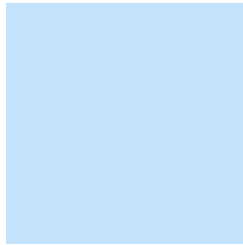


1.1178, 0.4458, 0.2229



# Previews

## White Background



This preview shows how the Yxy color 72.9680, 0.2792, 0.3038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

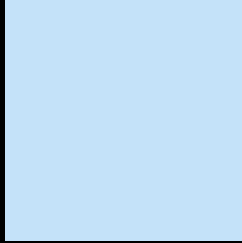
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9680, 0.2792, 0.3038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

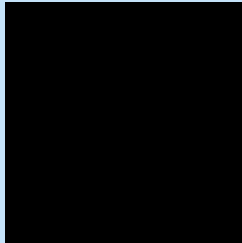
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

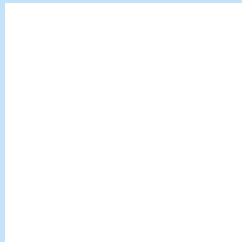
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.9680, 0.2792, 0.3038**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9680, 0.2792, 0.3038.

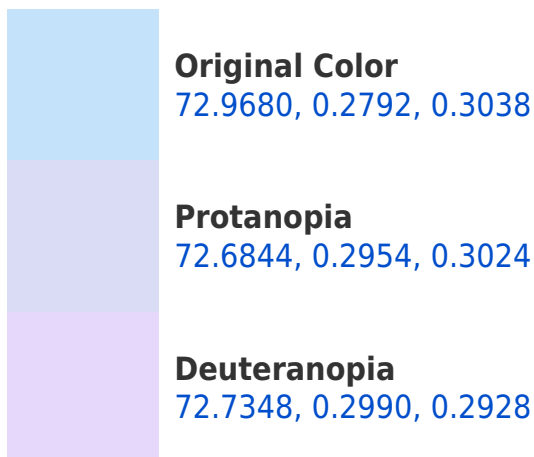


This preview shows how white text looks on a background with the Yxy color 72.9680, 0.2792, 0.3038.

# 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

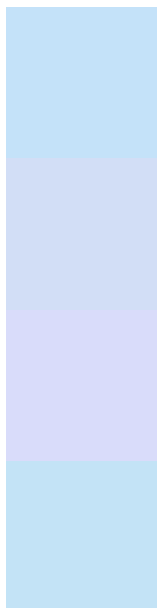




## Tritanopia

73.1328, 0.2809, 0.3091

# Trichromacy



## Original Color

72.9680, 0.2792, 0.3038

## Protanomaly

72.5980, 0.2895, 0.3031

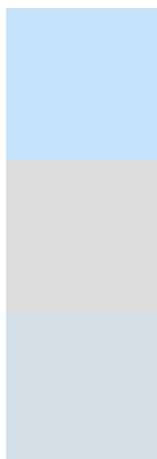
## Deuteranomaly

72.8402, 0.2916, 0.2973

## Tritanomaly

73.1941, 0.2803, 0.3080

# Monochromacy



## Original Color

72.9680, 0.2792, 0.3038

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.8610, 0.2993, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9680, 0.2792, 0.3038 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(196, 226, 249)` looks like.

```
.text, #text, p{  
    color:rgb(196, 226, 249)  
}
```

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(196, 226, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 226, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9680, 0.2792, 0.3038 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(196, 226, 249) }
```

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

```
.border{ border-color:rgb(196, 226, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 226, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 226, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 226, 249);  
box-shadow:4px 4px 4px 4px rgb(196, 226,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9680, 0.2792, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 226, 249) }
```

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

```
.background{ background-color: rgb(196,  
226, 249) }
```

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