

# Converting Colors

$Yxy(72.4226, 0.2788, 0.3045)$

Have a look what the booklet for  
Yxy(72.4226, 0.2788, 0.3045)  
contains.

<b>Yxy(72.6394, 0.2785, 0.3048)</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(72.6394, 0.2785, 0.3048)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2E2F8
RGB	194, 226, 248
RGB Percent	76%, 89%, 97%
CMY	0.2395, 0.1136, 0.0276
CMYK	0.22, 0.09, 0.00, 0.03
HSL	204°, 79%, 87%
HSV	204°, 22%, 97%
XYZ	66.3716, 72.6394, 99.3072
YIQ	218.9400, -26.1340, 0.0580

# Conversions

## Conversions Part 2

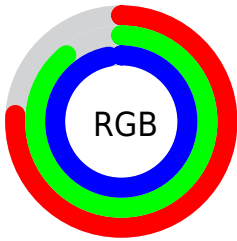
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 214, 248
Decimal	12772088
CIE <sub>Lab</sub>	88.28, -5.87, -14.17
CIE <sub>LCh</sub>	88, 15.339, 247.499
Y <sub>xy</sub>	72.6394, 0.2785, 0.3048
Android (android.graphics.Color)	4290962168 (0xFFC2E2F8)
YUV	218.9400, 14.3266, -21.8724
Hunter-Lab	85.2288, -10.1440, -9.4237

# Details

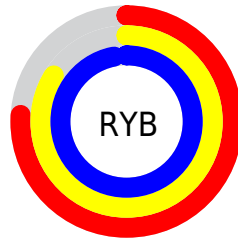
The Yxy color **72.6394, 0.2785, 0.3048** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8971, 0.3523, 0.3520**, and the grayscale version is **70.7006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **38.5070, 0.2708, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **64.3130, 0.2627, 0.2919**, and if you desaturate by 10%, it is **81.8410, 0.2944, 0.3166**.

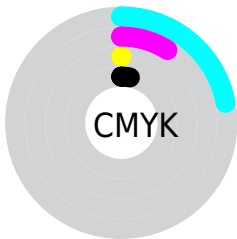
# Distribution



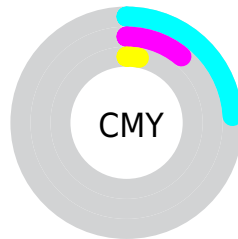
- Red (76%)
- Green (89%)
- Blue (97%)



- Red (76%)
- Yellow (84%)
- Blue (97%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (24%)
- Magenta (11%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6394, 0.2785, 0.3048 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 72.6394, 0.2785, 0.3048 by changing the saturation by 10% instead.



■ 72.6394, 0.2785,  
0.3048

■ 72.6394, 0.2785,  
0.3048

■ 469.7641, 0.2942,  
0.3161

■ 53.6812, 0.2750,  
0.3022

■ 122.9652, 0.2839,  
0.3087

■ 38.3468, 0.2706,  
0.2990

■ 155.1015, 0.2860,  
0.3103

■ 26.2520, 0.2652,  
0.2949

■ 192.3992, 0.2878,  
0.3116

■ 17.0122, 0.2581,  
0.2896

■ 235.2429, 0.2894,  
0.3127

■ 10.2432, 0.2486,  
0.2823

■ 284.0168, 0.2908,  
0.3137

■ 5.5605, 0.2352,  
0.2717

■ 339.1054, 0.2921,

■ 2.5797, 0.2149,

0.3146

0.2553

400.8930, 0.2932,  
0.3154

0.9165, 0.1802,  
0.2270

0.0000, 0.0000,  
0.0000

72.6394, 0.2785,  
0.3048

72.6394, 0.2785,  
0.3048

64.3130, 0.2627,  
0.2919

81.8410, 0.2944,  
0.3166

56.8201, 0.2472,  
0.2779

91.9394, 0.3100,  
0.3272

50.1288, 0.2326,  
0.2630

99.5557, 0.3168,  
0.3357

44.2009, 0.2191,  
0.2475

■ 38.9940, 0.2074,  
0.2316

■ 34.4602, 0.1977,  
0.2156

■ 30.5431, 0.1901,  
0.2000

■ 27.7206, 0.1854,  
0.1875

# Harmonies

## Analogous

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



72.6394, 0.2785, 0.3182



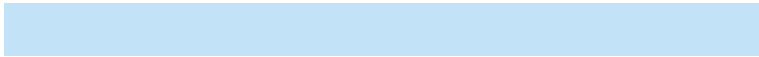
72.6394, 0.2785, 0.3048



72.6394, 0.2873, 0.2983

# Triad

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



72.6394, 0.2785, 0.3048



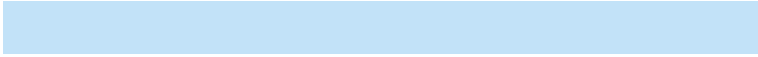
72.6394, 0.3384, 0.3223



72.6394, 0.3216, 0.3604

# Complementary

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



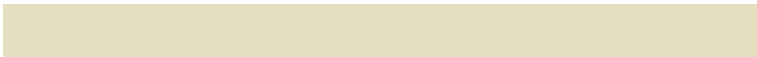
72.6394, 0.2785, 0.3048



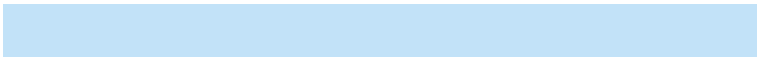
72.8971, 0.3523, 0.3520

# 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.



72.6394, 0.3382, 0.3606



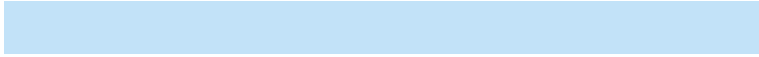
72.6394, 0.2785, 0.3048



72.6394, 0.3482, 0.3381

# Square

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



72.6394, 0.2785, 0.3048



72.6394, 0.3218, 0.3084



72.6394, 0.3480, 0.3522

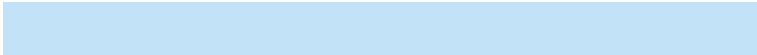


72.6394, 0.3030, 0.3510



# Rectangle

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



72.6394, 0.2785, 0.3048



72.6394, 0.2972, 0.2984



72.6394, 0.3480, 0.3522



72.6394, 0.3276, 0.3615

# Sweetspot

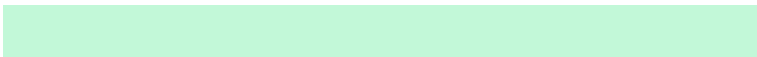
The Sweet Spot groups the original color and five complimentary colors.



72.6424, 0.2785, 0.3048



92.2312, 0.3019, 0.3218



83.5143, 0.2977, 0.3650



19.6027, 0.3009, 0.3212



0.0000, 0.0000, 0.0000

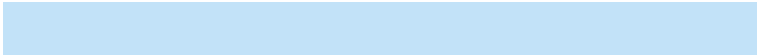


21.4041, 0.3127, 0.3290

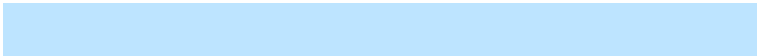


# Same Dimension

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



72.6424, 0.2785, 0.3048



73.5255, 0.2718, 0.2995



59.2399, 0.2763, 0.2743



18.3569, 0.2980, 0.3191



15.2608, 0.1861, 0.1899



1.6216, 0.1912, 0.2082



# Inverse Universe

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



63.9990, 0.3316, 0.2959



63.1315, 0.3362, 0.2892



87.6881, 0.3468, 0.3784



17.3982, 0.3201, 0.3150



11.9515, 0.4568, 0.2290

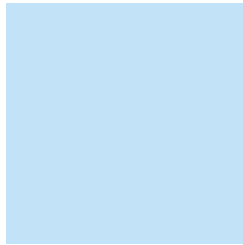


1.1279, 0.4361, 0.2176



# Previews

## White Background



This preview shows how the Yxy color 72.6394, 0.2785, 0.3048 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

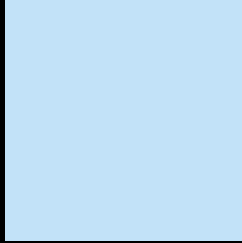
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6394, 0.2785, 0.3048 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

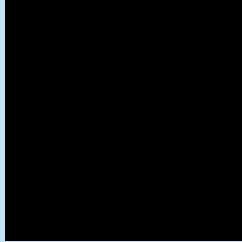
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

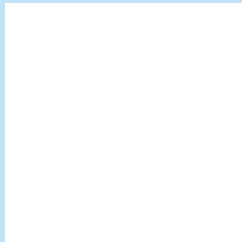
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6394, 0.2785, 0.3048**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6394, 0.2785, 0.3048.

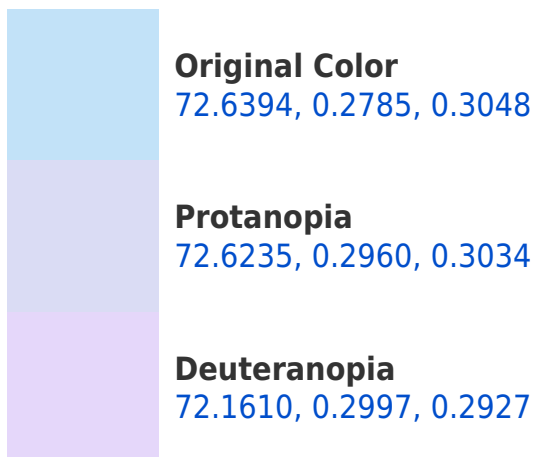


This preview shows how white text looks on a background with the Yxy color 72.6394, 0.2785, 0.3048.

# 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

72.8682, 0.2797, 0.3090

# Trichromacy



**Original Color**

72.6394, 0.2785, 0.3048

**Protanomaly**

72.3904, 0.2895, 0.3041

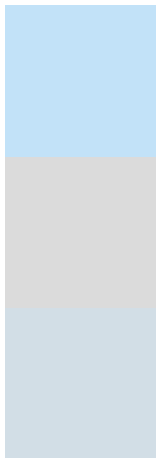
**Deuteranomaly**

72.1015, 0.2916, 0.2971

**Tritanomaly**

72.9294, 0.2791, 0.3080

# Monochromacy



**Original Color**

72.6394, 0.2785, 0.3048

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

71.6574, 0.2993, 0.3202

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6394, 0.2785, 0.3048 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(194, 226, 248)` looks like.

```
.text, #text, p{  
    color:rgb(194, 226, 248)  
}
```

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(194, 226, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 226, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6394, 0.2785, 0.3048 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(194, 226, 248) }
```

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

```
.border{ border-color:rgb(194, 226, 248) }
```

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

Here you see how a box with a 4 pixel rgb(194, 226, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 226, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 226, 248);  
box-shadow:4px 4px 4px 4px rgb(194, 226,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6394, 0.2785, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 226, 248) }
```

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

```
.background{ background-color: rgb(194,  
226, 248) }
```

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