

# Converting Colors

$Y_{xy}(75.6729, 0.2818, 0.3060)$

Have a look what the booklet for  
Yxy(75.6729, 0.2818, 0.3060)  
contains.

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# Color

**Yxy(75.4212, 0.2813, 0.3052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E5FB
RGB	201, 229, 251
RGB Percent	79%, 90%, 98%
CMY	0.2119, 0.1019, 0.0156
CMYK	0.20, 0.09, 0.00, 0.02
HSL	206°, 86%, 89%
HSV	206°, 20%, 98%
XYZ	69.5150, 75.4212, 102.1844
YIQ	223.1360, -23.7500, 0.9060

# Conversions

## Conversions Part 2

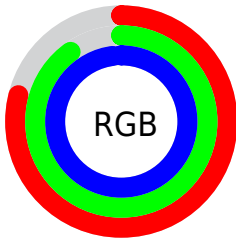
Format	Color
R <sub>Y</sub> B	201, 219, 251
Decimal	13231611
CIE Lab	89.59, -4.64, -13.76
CIE LCh	90, 14.521, 251.362
Yxy	75.4212, 0.2813, 0.3052
Android (android.graphics.Color)	4291421691 (0xFFC9E5FB)
YUV	223.1360, 13.7370, -19.4133
Hunter-Lab	86.8454, -9.0998, -8.9703

# Details

The Yxy color **75.4212, 0.2813, 0.3052** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4957, 0.3481, 0.3517**, and the grayscale version is **73.8052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2781, 0.2743, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **66.3088, 0.2652, 0.2914**, and if you desaturate by 10%, it is **85.4968, 0.2973, 0.3178**.

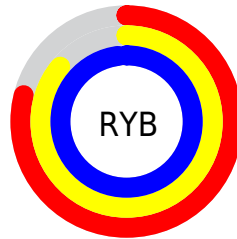
# Distribution



Red (79%)

Green (90%)

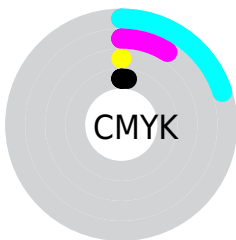
Blue (98%)



Red (79%)

Yellow (86%)

Blue (98%)

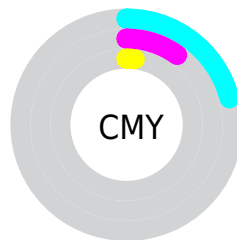


Cyan (20%)

Magenta (9%)

Yellow (0%)

Black (2%)



Cyan (21%)

Magenta (10%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4212, 0.2813, 0.3052 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 75.4212, 0.2813, 0.3052 by changing the saturation by 10% instead.



■ 75.4212, 0.2813,  
0.3052

■ 75.4212, 0.2813,  
0.3052

479.3640, 0.2956,  
0.3162

■ 55.9580, 0.2781,  
0.3027

126.9084, 0.2862,  
0.3090

■ 40.1693, 0.2742,  
0.2996

159.7012, 0.2881,  
0.3105

■ 27.6705, 0.2692,  
0.2957

197.7061, 0.2898,  
0.3118

■ 18.0775, 0.2628,  
0.2906

241.3073, 0.2913,  
0.3129

■ 11.0056, 0.2543,  
0.2837

290.8893, 0.2925,  
0.3139

■ 6.0706, 0.2423,  
0.2739

346.8365, 0.2937,

■ 2.8881, 0.2243,

0.3147

0.2588

409.5333, 0.2947,  
0.3155

1.0736, 0.1946,  
0.2329

0.0000, 0.0000,  
0.0000

75.4212, 0.2813,  
0.3052

75.4212, 0.2813,  
0.3052

66.3088, 0.2652,  
0.2914

85.4968, 0.2973,  
0.3178

58.1156, 0.2493,  
0.2764

96.5590, 0.3128,  
0.3291

50.8073, 0.2341,  
0.2603

99.7469, 0.3150,  
0.3328

44.3438, 0.2199,  
0.2435

■ 38.6804, 0.2073,  
0.2262

■ 33.7674, 0.1967,  
0.2088

■ 29.5463, 0.1883,  
0.1918

■ 25.9270, 0.1821,  
0.1755

■ 25.9081, 0.1821,  
0.1754

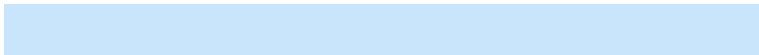
# Harmonies

## Analogous

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



75.4212, 0.2802, 0.3171



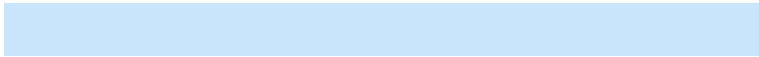
75.4212, 0.2813, 0.3052



75.4212, 0.2906, 0.3000

# Triad

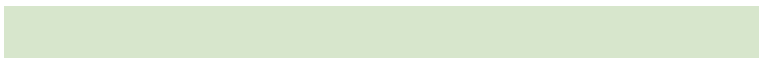
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4212, 0.2813, 0.3052



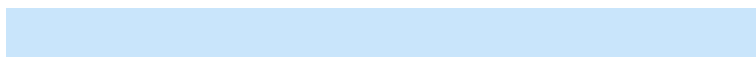
75.4212, 0.3384, 0.3246



75.4212, 0.3188, 0.3576

# Complementary

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



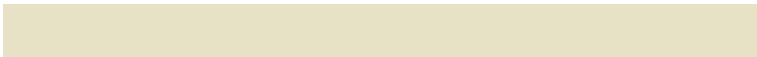
75.4212, 0.2813, 0.3052



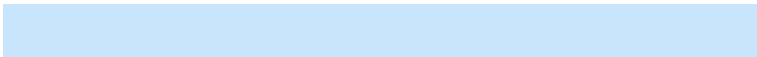
77.4957, 0.3481, 0.3517

# 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.



75.4212, 0.3348, 0.3590



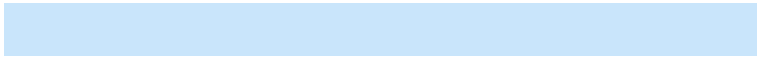
75.4212, 0.2813, 0.3052



75.4212, 0.3464, 0.3394

# Square

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



75.4212, 0.2813, 0.3052



75.4212, 0.3234, 0.3112



75.4212, 0.3450, 0.3521

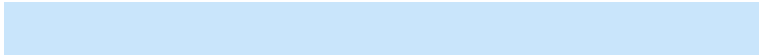


75.4212, 0.3016, 0.3479



# Rectangle

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



75.4212, 0.2813, 0.3052



75.4212, 0.3003, 0.3007



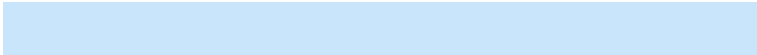
75.4212, 0.3450, 0.3521



75.4212, 0.3246, 0.3591

# Sweetspot

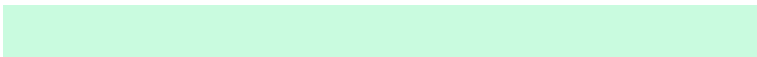
The Sweet Spot groups the original color and five complimentary colors.



75.4243, 0.2813, 0.3052



92.9946, 0.3034, 0.3224



86.7349, 0.2980, 0.3597



19.7463, 0.3024, 0.3216



0.0000, 0.0000, 0.0000

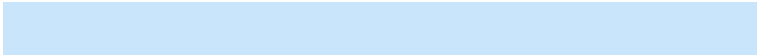


21.4041, 0.3127, 0.3290

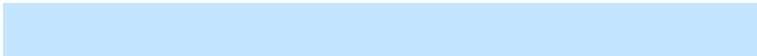


# Same Dimension

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



75.4243, 0.2813, 0.3052



74.1966, 0.2747, 0.2997



62.7082, 0.2795, 0.2776



18.2563, 0.2980, 0.3183



13.9101, 0.1828, 0.1781



1.4995, 0.1883, 0.1977



# Inverse Universe

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



67.9287, 0.3310, 0.3005



65.3608, 0.3356, 0.2944



91.6759, 0.3435, 0.3757



17.3881, 0.3206, 0.3158



11.8151, 0.4708, 0.2367

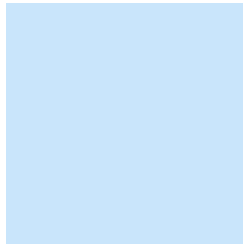


1.1156, 0.4479, 0.2241



# Previews

## White Background



This preview shows how the Yxy color 75.4212, 0.2813, 0.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

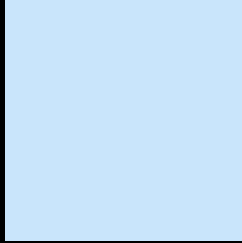
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4212, 0.2813, 0.3052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

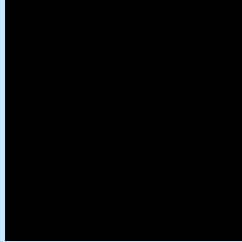
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

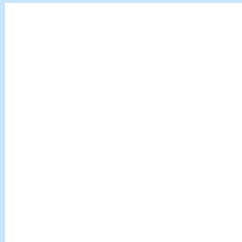
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.4212, 0.2813, 0.3052**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.4212, 0.2813, 0.3052.

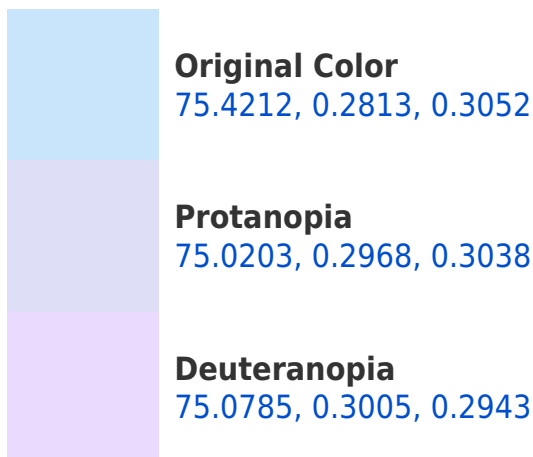


This preview shows how white text looks on a background with the Yxy color 75.4212, 0.2813, 0.3052.

# 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

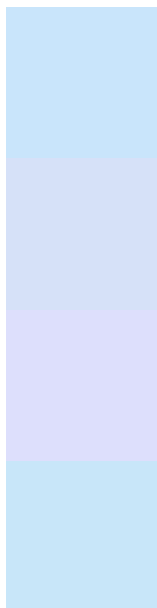




## Tritanopia

75.6503, 0.2825, 0.3094

# Trichromacy



## Original Color

75.4212, 0.2813, 0.3052

## Protanomaly

74.9239, 0.2910, 0.3045

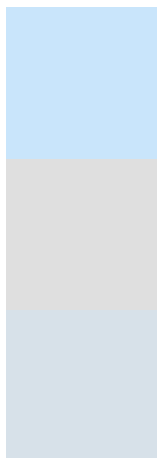
## Deuteranomaly

75.1758, 0.2932, 0.2987

## Tritanomaly

75.7125, 0.2819, 0.3084

# Monochromacy



## Original Color

75.4212, 0.2813, 0.3052

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.1807, 0.3008, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4212, 0.2813, 0.3052 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(201, 229, 251)` looks like.

```
.text, #text, p{  
    color:rgb(201, 229, 251)  
}
```

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(201, 229, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 229, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4212, 0.2813, 0.3052 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(201, 229, 251) }
```

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

```
.border{ border-color:rgb(201, 229, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 229, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 229, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 229, 251);  
box-shadow:4px 4px 4px 4px rgb(201, 229,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4212, 0.2813, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 229, 251) }
```

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

```
.background{ background-color: rgb(201,  
229, 251) }
```

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](#).

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