

# Converting Colors

$Yxy(83.2587, 0.2303, 0.2154)$

Have a look what the booklet for  
Yxy(83.2587, 0.2303, 0.2154)  
contains.

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# Color

**Yxy(75.2830, 0.2750, 0.3019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E6FF
RGB	194, 230, 255
RGB Percent	76%, 90%, 100%
CMY	0.2396, 0.0979, 0.0001
CMYK	0.24, 0.10, 0.00, 0.00
HSL	205°, 100%, 88%
HSV	205°, 24%, 100%
XYZ	68.5751, 75.2830, 105.5059
YIQ	222.0860, -29.4810, 0.1430

# Conversions

## Conversions Part 2

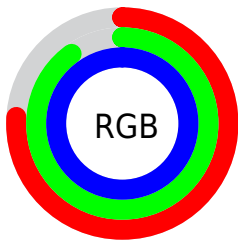
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 217, 255
Decimal	12773119
CIELab	89.53, -6.40, -15.97
CIElCh	90, 17.206, 248.155
Yxy	75.2830, 0.2750, 0.3019
Android (android.graphics.Color)	4290963199 (0xFFC2E6FF)
YUV	222.0860, 16.2266, -24.6314
Hunter-Lab	86.7658, -10.7631, -11.3597

# Details

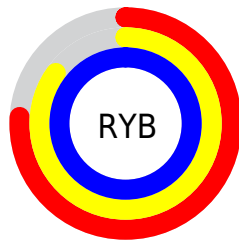
The Yxy color **75.2830, 0.2750, 0.3019** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7397, 0.3570, 0.3546**, and the grayscale version is **73.0005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **40.2261, 0.2666, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **66.5712, 0.2592, 0.2886**, and if you desaturate by 10%, it is **84.9262, 0.2909, 0.3140**.

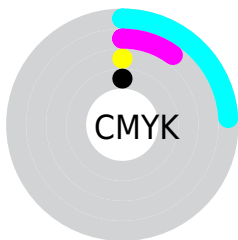
# Distribution



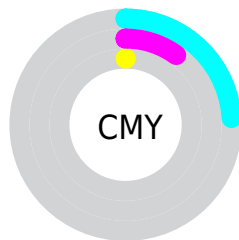
- Red (76%)
- Green (90%)
- Blue (100%)



- Red (76%)
- Yellow (85%)
- Blue (100%)



- Cyan (24%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2830, 0.2750, 0.3019 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 75.2830, 0.2750, 0.3019 by changing the saturation by 10% instead.



75.2830, 0.2750,  
0.3019

75.2830, 0.2750,  
0.3019

478.8897, 0.2921,  
0.3145

55.8448, 0.2712,  
0.2990

126.7129, 0.2809,  
0.3063

40.0785, 0.2665,  
0.2955

159.4733, 0.2832,  
0.3080

27.5997, 0.2606,  
0.2910

197.4433, 0.2852,  
0.3094

18.0242, 0.2531,  
0.2852

241.0071, 0.2869,  
0.3107

10.9673, 0.2430,  
0.2773

290.5493, 0.2885,  
0.3118

6.0449, 0.2289,  
0.2661

346.4542, 0.2898,

2.8724, 0.2081,

0.3128

0.2489

409.1062, 0.2910,  
0.3137

1.0655, 0.1745,  
0.2198

0.0000, 0.0000,  
0.0000

75.2830, 0.2750,  
0.3019

75.2830, 0.2750,  
0.3019

66.5712, 0.2592,  
0.2886

84.9262, 0.2909,  
0.3140

58.7461, 0.2438,  
0.2743

95.5249, 0.3066,  
0.3250

51.7725, 0.2293,  
0.2592

99.9987, 0.3127,  
0.3290

45.6084, 0.2162,  
0.2434

■ 40.2075, 0.2048,  
0.2273

■ 35.5165, 0.1955,  
0.2113

■ 31.4719, 0.1885,  
0.1956

■ 29.2866, 0.1851,  
0.1864

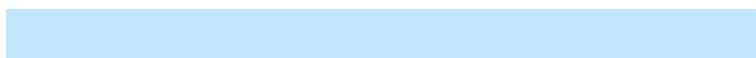
# Harmonies

## Analogous

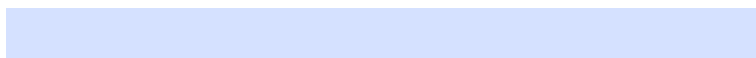
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2830, 0.2748, 0.3165



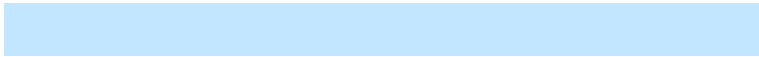
75.2830, 0.2750, 0.3019



75.2830, 0.2849, 0.2950

# Triad

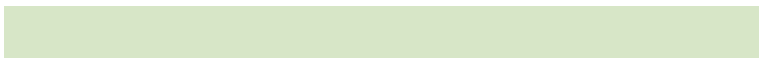
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2830, 0.2750, 0.3019



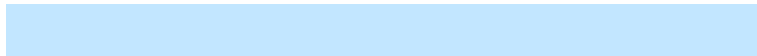
75.2830, 0.3416, 0.3219



75.2830, 0.3221, 0.3638

# Complementary

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



75.2830, 0.2750, 0.3019



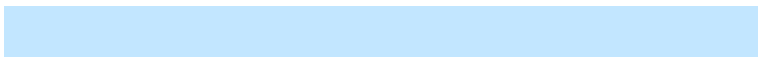
75.7397, 0.3570, 0.3546

# 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.



75.2830, 0.3406, 0.3642



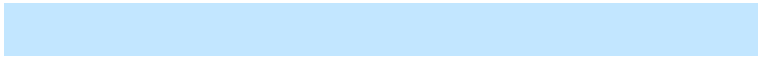
75.2830, 0.2750, 0.3019



75.2830, 0.3522, 0.3394

# Square

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



75.2830, 0.2750, 0.3019



75.2830, 0.3232, 0.3066



75.2830, 0.3518, 0.3549

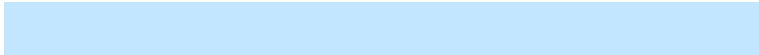


75.2830, 0.3015, 0.3531



# Rectangle

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



75.2830, 0.2750, 0.3019



75.2830, 0.2959, 0.2953



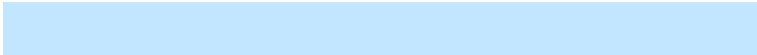
75.2830, 0.3518, 0.3549



75.2830, 0.3288, 0.3651

# Sweetspot

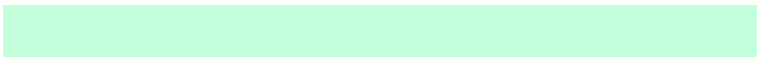
The Sweet Spot groups the original color and five complimentary colors.



75.2860, 0.2750, 0.3019



92.2049, 0.3019, 0.3218



88.0446, 0.2963, 0.3691



19.5966, 0.3009, 0.3211



0.0000, 0.0000, 0.0000

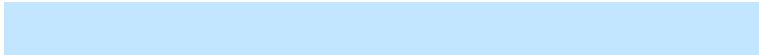


21.4041, 0.3127, 0.3290

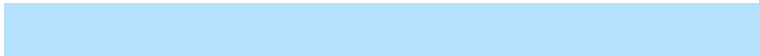


# Same Dimension

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



75.2860, 0.2750, 0.3019



70.7838, 0.2670, 0.2953



59.9945, 0.2722, 0.2680



19.1638, 0.2979, 0.3190



15.6067, 0.1858, 0.1890



1.7346, 0.1907, 0.2065



# Inverse Universe

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



65.5160, 0.3340, 0.2926



59.7526, 0.3398, 0.2846



92.8201, 0.3503, 0.3835



18.1674, 0.3201, 0.3150



12.3035, 0.4580, 0.2297

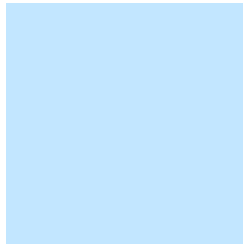


1.2197, 0.4380, 0.2186



# Previews

## White Background



This preview shows how the Yxy color 75.2830, 0.2750, 0.3019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

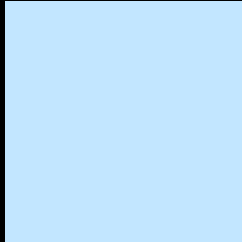
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2830, 0.2750, 0.3019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

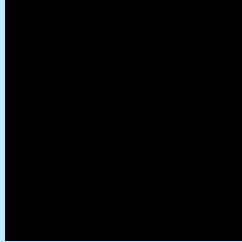
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

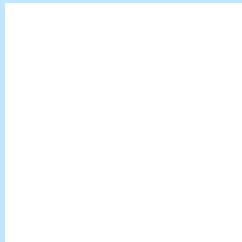
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2830, 0.2750, 0.3019**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2830, 0.2750, 0.3019.

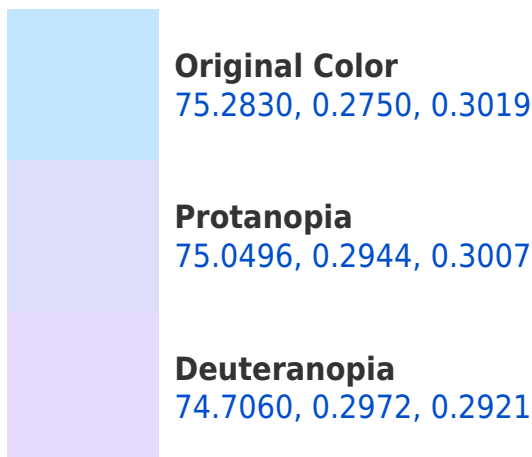


This preview shows how white text looks on a background with the Yxy color 75.2830, 0.2750, 0.3019.

# 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

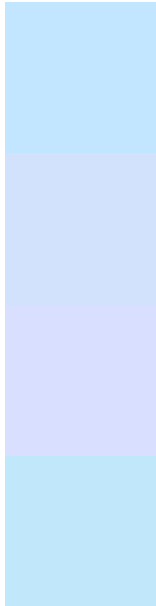




## Tritanopia

75.3288, 0.2778, 0.3092

# Trichromacy



**Original Color**

75.2830, 0.2750, 0.3019

**Protanomaly**

75.2699, 0.2868, 0.3014

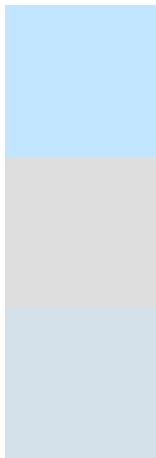
**Deuteranomaly**

74.7471, 0.2888, 0.2955

**Tritanomaly**

75.4543, 0.2767, 0.3071

# Monochromacy



**Original Color**

75.2830, 0.2750, 0.3019

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

73.7880, 0.2982, 0.3192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2830, 0.2750, 0.3019 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 230, 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(194, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2830, 0.2750, 0.3019 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, 230, 255) }
```

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

```
.border{ border-color:rgb(194, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2830, 0.2750, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 230, 255) }
```

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

```
.background{ background-color: rgb(194,  
230, 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](#).

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