

# Converting Colors

$Yxy(74.9132, 0.2817, 0.3121)$

Have a look what the booklet for  
Yxy(74.9132, 0.2817, 0.3121)  
contains.

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# Color

**Yxy(74.9220, 0.2817, 0.3125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E6F5
RGB	196, 230, 245
RGB Percent	77%, 90%, 96%
CMY	0.2315, 0.0980, 0.0392
CMYK	0.20, 0.06, 0.00, 0.04
HSL	198°, 71%, 86%
HSV	198°, 20%, 96%
XYZ	67.5377, 74.9220, 97.2907
YIQ	221.5440, -25.0790, -2.5430

# Conversions

## Conversions Part 2

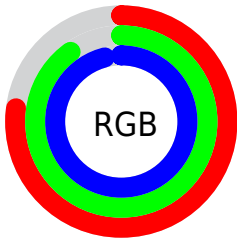
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 216, 245
Decimal	12904181
CIE <sub>Lab</sub>	89.36, -7.95, -10.99
CIE <sub>LCh</sub>	89, 13.558, 234.118
Yxy	74.9220, 0.2817, 0.3125
Android (android.graphics.Color)	4291094261 (0xFFC4E6F5)
YUV	221.5440, 11.5638, -22.4021
Hunter-Lab	86.5575, -12.1985, -6.0518

# Details

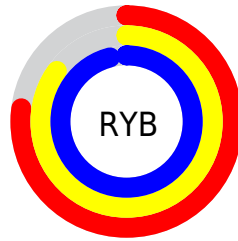
The Yxy color **74.9220, 0.2817, 0.3125** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9687, 0.3495, 0.3449**, and the grayscale version is **72.6375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **40.0849, 0.2749, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **67.8231, 0.2665, 0.3031**, and if you desaturate by 10%, it is **82.7427, 0.2972, 0.3212**.

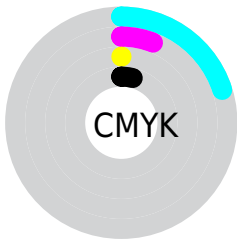
# Distribution



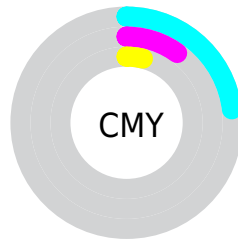
- Red (77%)
- Green (90%)
- Blue (96%)



- Red (77%)
- Yellow (85%)
- Blue (96%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (10%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9220, 0.2817, 0.3125 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 74.9220, 0.2817, 0.3125 by changing the saturation by 10% instead.



■ 74.9220, 0.2817,  
0.3125

■ 74.9220, 0.2817,  
0.3125

477.6494, 0.2958,  
0.3202

■ 55.5490, 0.2785,  
0.3107

126.2019, 0.2866,  
0.3152

■ 39.8414, 0.2746,  
0.3085

158.8777, 0.2885,  
0.3162

■ 27.4149, 0.2697,  
0.3057

196.7564, 0.2901,  
0.3171

■ 17.8851, 0.2634,  
0.3020

240.2226, 0.2915,  
0.3179

■ 10.8675, 0.2549,  
0.2969

289.6606, 0.2928,  
0.3186

■ 5.9778, 0.2429,  
0.2895

345.4548, 0.2939,

■ 2.8316, 0.2249,

0.3192

0.2778

407.9896, 0.2949,  
0.3198

1.0445, 0.1946,  
0.2571

0.0000, 0.0000,  
0.0000

74.9220, 0.2817,  
0.3125

74.9220, 0.2817,  
0.3125

67.8231, 0.2665,  
0.3031

82.7427, 0.2972,  
0.3212

61.4086, 0.2519,  
0.2929

91.3023, 0.3127,  
0.3290

55.6511, 0.2383,  
0.2820

97.7798, 0.3187,  
0.3362

50.5174, 0.2260,  
0.2707

99.3729, 0.3185,  
0.3386

■ 45.9706, 0.2155,  
0.2591

■ 41.9689, 0.2069,  
0.2473

■ 38.4629, 0.2003,  
0.2356

■ 35.3755, 0.1956,  
0.2241

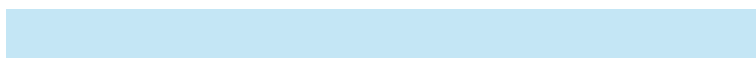
# Harmonies

## Analogous

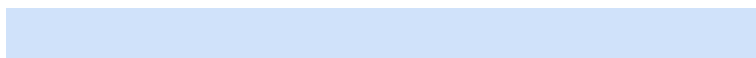
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9220, 0.2853, 0.3261



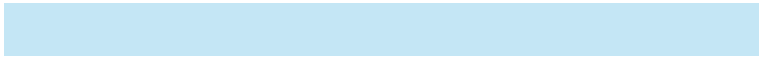
74.9220, 0.2817, 0.3125



74.9220, 0.2861, 0.3038

# Triad

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



74.9220, 0.2817, 0.3125



74.9220, 0.3292, 0.3173



74.9220, 0.3275, 0.3575

# Complementary

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



74.9220, 0.2817, 0.3125



69.9687, 0.3495, 0.3449

# 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.



74.9220, 0.3398, 0.3542



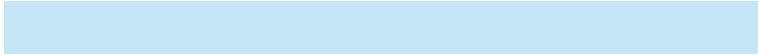
74.9220, 0.2817, 0.3125



74.9220, 0.3409, 0.3308

# Square

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



74.9220, 0.2817, 0.3125



74.9220, 0.3133, 0.3068



74.9220, 0.3448, 0.3443



74.9220, 0.3115, 0.3527



# Rectangle

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



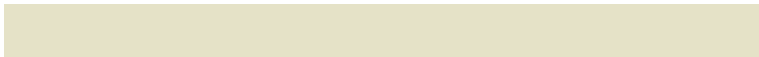
74.9220, 0.2817, 0.3125



74.9220, 0.2931, 0.3017



74.9220, 0.3448, 0.3443



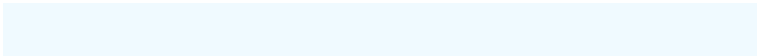
74.9220, 0.3322, 0.3573

# Sweetspot

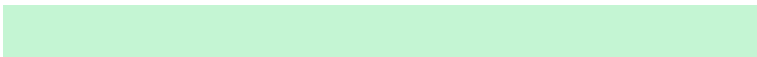
The Sweet Spot groups the original color and five complimentary colors.



74.9251, 0.2817, 0.3125



94.2641, 0.3034, 0.3244



81.7270, 0.3017, 0.3673



20.0466, 0.3024, 0.3239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

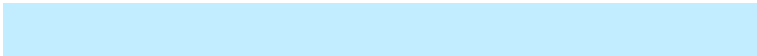


# Same Dimension

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



74.9251, 0.2817, 0.3125



78.8189, 0.2755, 0.3088



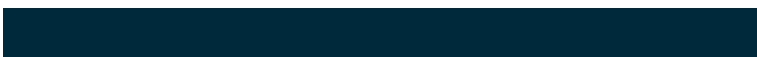
62.3609, 0.2799, 0.2850



17.8526, 0.2980, 0.3216



19.3127, 0.1961, 0.2260



1.8785, 0.2001, 0.2404



# Inverse Universe

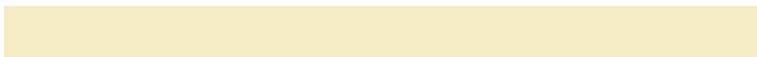
The Inverse Universe completely reimagines the original color for something new.



64.5944, 0.3260, 0.2938



65.8274, 0.3293, 0.2865



82.9279, 0.3448, 0.3695



16.6769, 0.3185, 0.3127



12.0490, 0.4168, 0.2070

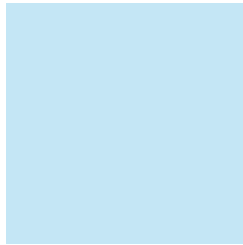


1.0773, 0.4018, 0.1987



# Previews

## White Background



This preview shows how the Yxy color 74.9220, 0.2817, 0.3125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

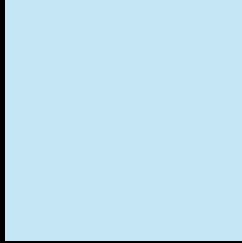
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9220, 0.2817, 0.3125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

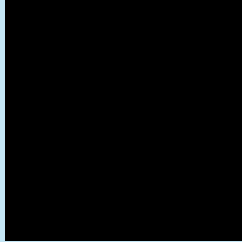
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

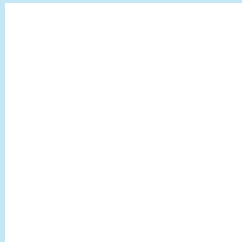
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9220, 0.2817, 0.3125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9220, 0.2817, 0.3125.

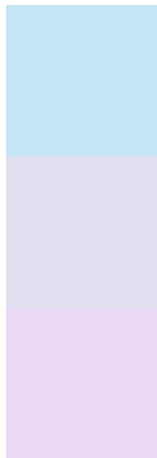


This preview shows how white text looks on a background with the Yxy color 74.9220, 0.2817, 0.3125.

# 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

74.9220, 0.2817, 0.3125

### Protanopia

74.7546, 0.3018, 0.3110

### Deuteranopia

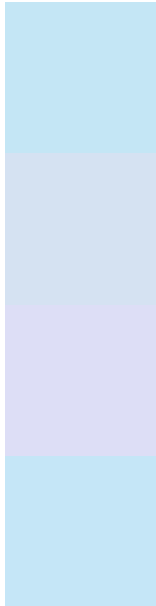
74.5204, 0.3057, 0.2993



## Tritanopia

75.2413, 0.2807, 0.3093

# Trichromacy



**Original Color**

74.9220, 0.2817, 0.3125

**Protanomaly**

74.9497, 0.2940, 0.3118

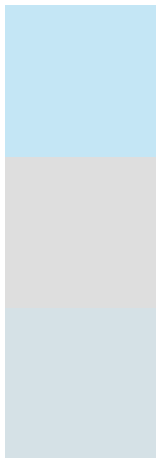
**Deuteranomaly**

74.2685, 0.2968, 0.3037

**Tritanomaly**

75.1793, 0.2812, 0.3104

# Monochromacy



**Original Color**

74.9220, 0.2817, 0.3125

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

73.7097, 0.3013, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9220, 0.2817, 0.3125 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, 230, 245)` looks like.

```
.text, #text, p{  
    color:rgb(196, 230, 245)  
}
```

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, 230, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 230, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9220, 0.2817, 0.3125 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, 230, 245) }
```

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

```
.border{ border-color:rgb(196, 230, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 230, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 230, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 230, 245);  
box-shadow:4px 4px 4px 4px rgb(196, 230,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9220, 0.2817, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 230, 245) }
```

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

```
.background{ background-color: rgb(196,  
230, 245) }
```

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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