

# Converting Colors

$Yxy(75.1738, 0.2808, 0.2994)$

Have a look what the booklet for  
Yxy(75.1738, 0.2808, 0.2994)  
contains.

<b>Yxy(74.9955, 0.2808, 0.2990)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.9955, 0.2808, 0.2990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE3FF
RGB	204, 227, 255
RGB Percent	80%, 89%, 100%
CMY	0.1999, 0.1098, 0.0000
CMYK	0.20, 0.11, 0.00, 0.00
HSL	213°, 100%, 90%
HSV	213°, 20%, 100%
XYZ	70.4306, 74.9955, 105.3950
YIQ	223.3150, -22.6960, 3.8320

# Conversions

## Conversions Part 2

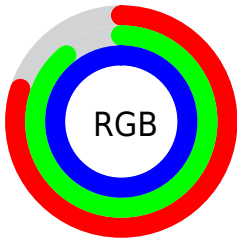
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	204, 220, 255
Decimal	13427711
CIE <sub>Lab</sub>	89.39, -1.81, -16.13
CIE <sub>LCh</sub>	89, 16.234, 263.585
Yxy	74.9955, 0.2808, 0.2990
Android (android.graphics.Color)	4291617791 (0xFFCCE3FF)
YUV	223.3150, 15.6207, -16.9393
Hunter-Lab	86.5999, -6.3783, -11.5379

# Details

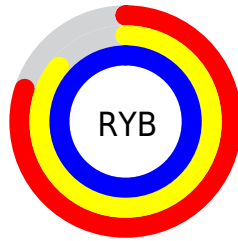
The Yxy color **74.9955, 0.2808, 0.2990** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.3562, 0.3472, 0.3572**, and the grayscale version is **73.9301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9718, 0.2736, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **64.3273, 0.2640, 0.2815**, and if you desaturate by 10%, it is **86.8797, 0.2971, 0.3149**.

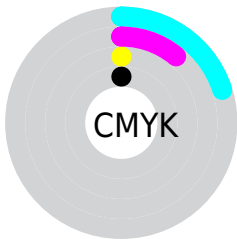
# Distribution



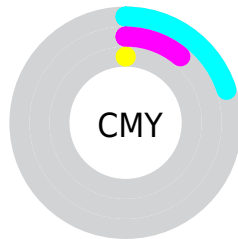
- Red (80%)
- Green (89%)
- Blue (100%)



- Red (80%)
- Yellow (86%)
- Blue (100%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9955, 0.2808, 0.2990 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 74.9955, 0.2808, 0.2990 by changing the saturation by 10% instead.



■ 74.9955, 0.2808,  
0.2990

■ 74.9955, 0.2808,  
0.2990

477.9021, 0.2954,  
0.3128

■ 55.6092, 0.2775,  
0.2959

126.3060, 0.2858,  
0.3038

■ 39.8897, 0.2735,  
0.2921

158.9990, 0.2878,  
0.3056

■ 27.4525, 0.2685,  
0.2873

196.8963, 0.2895,  
0.3072

■ 17.9134, 0.2620,  
0.2810

240.3824, 0.2909,  
0.3086

■ 10.8878, 0.2533,  
0.2726

289.8416, 0.2922,  
0.3098

■ 5.9915, 0.2410,  
0.2608

345.6584, 0.2934,

■ 2.8399, 0.2227,

0.3109

0.2428

408.2171, 0.2944,  
0.3119

■ 1.0487, 0.1926,  
0.2130

■ 0.0000, 0.0000,  
0.0000

■ 74.9955, 0.2808,  
0.2990

■ 74.9955, 0.2808,  
0.2990

■ 64.3273, 0.2640,  
0.2815

■ 86.8797, 0.2971,  
0.3149

■ 54.8283, 0.2470,  
0.2625

100.0000, 0.3127,  
0.3290

■ 46.4532, 0.2304,  
0.2420

■ 39.1519, 0.2147,  
0.2207

■ 32.8698, 0.2005,  
0.1990

■ 27.5460, 0.1884,  
0.1775

■ 23.1102, 0.1788,  
0.1571

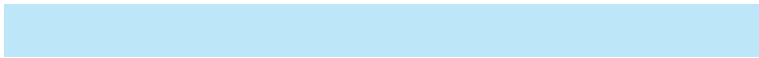
■ 19.4583, 0.1718,  
0.1383

■ 19.4540, 0.1718,  
0.1383

# Harmonies

## Analogous

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



74.9955, 0.2757, 0.3094



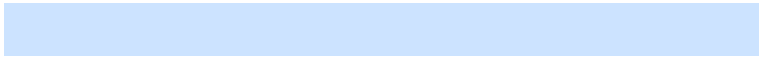
74.9955, 0.2808, 0.2990



74.9955, 0.2943, 0.2967

# Triad

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



74.9955, 0.2808, 0.2990



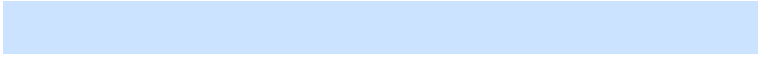
74.9955, 0.3463, 0.3308



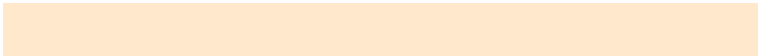
74.9955, 0.3115, 0.3577

# Complementary

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



74.9955, 0.2808, 0.2990



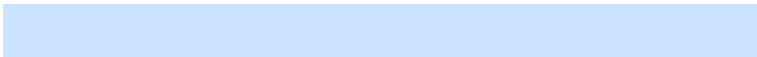
83.3562, 0.3472, 0.3572

# Split Complementary

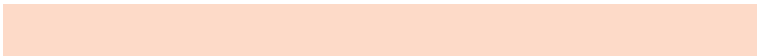
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.9955, 0.3307, 0.3632



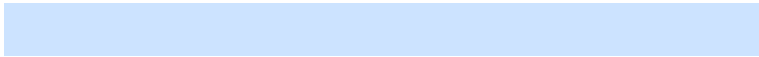
74.9955, 0.2808, 0.2990



74.9955, 0.3511, 0.3469

# Square

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



74.9955, 0.2808, 0.2990



74.9955, 0.3322, 0.3147



74.9955, 0.3453, 0.3590

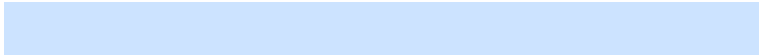


74.9955, 0.2931, 0.3437



# Rectangle

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



74.9955, 0.2808, 0.2990



74.9955, 0.3064, 0.2997



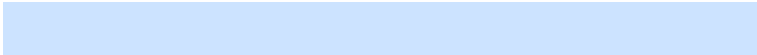
74.9955, 0.3453, 0.3590



74.9955, 0.3181, 0.3607

# Sweetspot

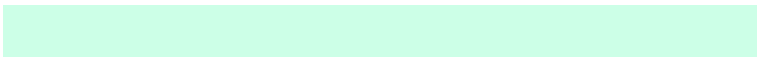
The Sweet Spot groups the original color and five complimentary colors.



74.9967, 0.2808, 0.2990



91.9655, 0.3035, 0.3207



90.1436, 0.2952, 0.3542



19.5031, 0.3024, 0.3198



0.0000, 0.0000, 0.0000

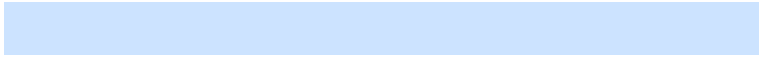


21.4041, 0.3127, 0.3290

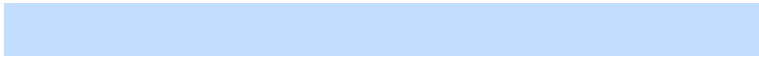


# Same Dimension

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



74.9967, 0.2808, 0.2990



70.5720, 0.2741, 0.2922



63.5045, 0.2803, 0.2738



18.7254, 0.2979, 0.3156



10.4537, 0.1726, 0.1413



1.2324, 0.1786, 0.1629



# Inverse Universe

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



70.0068, 0.3352, 0.3059



64.9949, 0.3408, 0.3010



96.8204, 0.3418, 0.3792



18.1231, 0.3223, 0.3183



11.7833, 0.5174, 0.2624

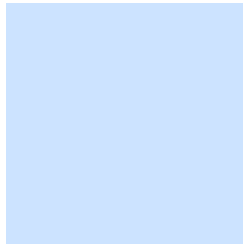


1.1690, 0.4894, 0.2470



# Previews

## White Background



This preview shows how the Yxy color 74.9955, 0.2808, 0.2990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

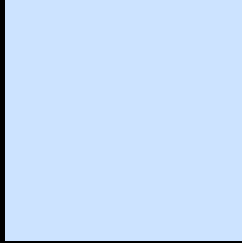
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.9955, 0.2808, 0.2990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

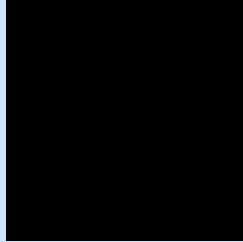
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

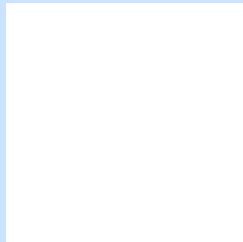
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9955, 0.2808, 0.2990**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9955, 0.2808, 0.2990.



This preview shows how white text looks on a background with the Yxy color 74.9955, 0.2808, 0.2990.

# 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

74.9955, 0.2808, 0.2990

### Protanopia

75.0193, 0.2925, 0.2986

### Deuteranopia

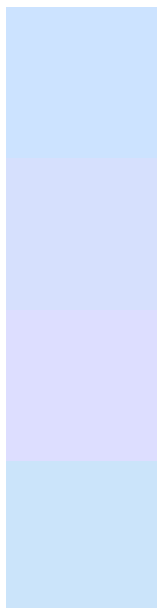
74.7060, 0.2972, 0.2921



## Tritanopia

74.7588, 0.2841, 0.3084

# Trichromacy



## Original Color

74.9955, 0.2808, 0.2990

## Protanomaly

74.6993, 0.2881, 0.2984

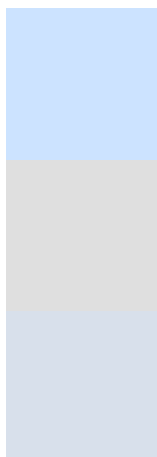
## Deuteranomaly

74.8347, 0.2913, 0.2947

## Tritanomaly

75.0854, 0.2831, 0.3053

# Monochromacy



## Original Color

74.9955, 0.2808, 0.2990

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.9084, 0.3002, 0.3171

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9955, 0.2808, 0.2990 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(204, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 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(204, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9955, 0.2808, 0.2990 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(204, 227, 255) }
```

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

```
.border{ border-color:rgb(204, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9955, 0.2808, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 255) }
```

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

```
.background{ background-color: rgb(204,  
227, 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](#).

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