

# Converting Colors

Yxy(67.9872, 0.2662, 0.2694)

Have a look what the booklet for  
Yxy(67.9872, 0.2662, 0.2694)  
contains.

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# Color

**Yxy(66.9152, 0.2742, 0.2840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D6FF
RGB	195, 214, 255
RGB Percent	76%, 84%, 100%
CMY	0.2351, 0.1608, 0.0001
CMYK	0.24, 0.16, 0.00, 0.00
HSL	221°, 100%, 88%
HSV	221°, 24%, 100%
XYZ	64.6062, 66.9152, 104.0955
YIQ	212.9930, -24.4850, 8.7230

# Conversions

## Conversions Part 2

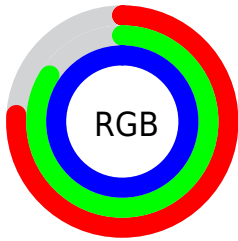
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 209, 255
Decimal	12834559
CIE Lab	85.46, 2.29, -22.09
CIE LCh	85, 22.210, 275.923
Yxy	66.9152, 0.2742, 0.2840
Android (android.graphics.Color)	4291024639 (0xFFC3D6FF)
YUV	212.9930, 20.7095, -15.7799
Hunter-Lab	81.8017, -2.1755, -18.1874

# Details

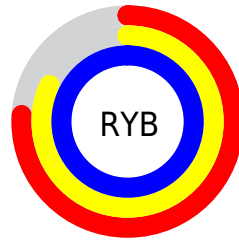
The Yxy color **66.9152, 0.2742, 0.2840** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.1985, 0.3524, 0.3703**, and the grayscale version is **66.4109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **34.4489, 0.2648, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **55.4488, 0.2563, 0.2612**, and if you desaturate by 10%, it is **79.9113, 0.2913, 0.3046**.

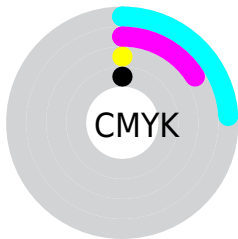
# Distribution



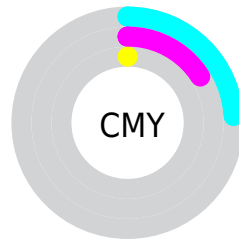
- Red (76%)
- Green (84%)
- Blue (100%)



- Red (76%)
- Yellow (82%)
- Blue (100%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9152, 0.2742, 0.2840 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 66.9152, 0.2742, 0.2840 by changing the saturation by 10% instead.



66.9152, 0.2742,  
0.2840

66.9152, 0.2742,  
0.2840

449.6429, 0.2921,  
0.3048

49.0157, 0.2701,  
0.2793

114.7989, 0.2804,  
0.2912

34.6319, 0.2650,  
0.2735

145.5519, 0.2828,  
0.2940

23.3795, 0.2586,  
0.2661

181.3582, 0.2849,  
0.2964

14.8740, 0.2503,  
0.2566

222.6022, 0.2867,  
0.2985

8.7310, 0.2390,  
0.2438

269.6682, 0.2883,  
0.3004

4.5661, 0.2229,  
0.2257

322.9408, 0.2897,

1.9950, 0.1985,

0.3020

0.1986

382.8042, 0.2910,  
0.3035

0.6046, 0.1559,  
0.1495

0.0000, 0.0000,  
0.0000

66.9152, 0.2742,  
0.2840

66.9152, 0.2742,  
0.2840

55.4488, 0.2563,  
0.2612

79.9113, 0.2913,  
0.3046

45.4449, 0.2379,  
0.2366

94.4847, 0.3074,  
0.3231

36.8432, 0.2198,  
0.2106

99.9983, 0.3127,  
0.3290

29.5754, 0.2027,  
0.1840

■ 23.5670, 0.1875,  
0.1580

■ 18.7346, 0.1749,  
0.1337

■ 14.9821, 0.1656,  
0.1123

■ 13.0506, 0.1612,  
0.1004

# Harmonies

## Analogous

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



66.9152, 0.2621, 0.2936



66.9152, 0.2742, 0.2840



66.9152, 0.2967, 0.2858

# Triad

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



66.9152, 0.2742, 0.2840



66.9152, 0.3654, 0.3406



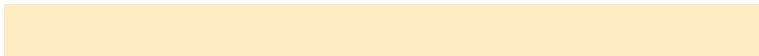
66.9152, 0.2995, 0.3633

# Complementary

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



66.9152, 0.2742, 0.2840



85.1985, 0.3524, 0.3703

# 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.



66.9152, 0.3270, 0.3767



66.9152, 0.2742, 0.2840



66.9152, 0.3658, 0.3619

# Square

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



66.9152, 0.2742, 0.2840



66.9152, 0.3500, 0.3176



66.9152, 0.3515, 0.3757



66.9152, 0.2762, 0.3395



# Rectangle

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



66.9152, 0.2742, 0.2840



66.9152, 0.3151, 0.2929



66.9152, 0.3515, 0.3757



66.9152, 0.3085, 0.3693

# Sweetspot

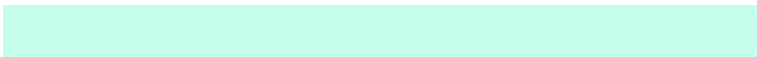
The Sweet Spot groups the original color and five complimentary colors.



66.9179, 0.2742, 0.2840



89.2293, 0.3019, 0.3169



89.1670, 0.2876, 0.3493



18.9079, 0.3009, 0.3158



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.



66.9179, 0.2742, 0.2840



61.5917, 0.2662, 0.2740



59.3933, 0.2800, 0.2638



18.3153, 0.2979, 0.3123



7.0559, 0.1620, 0.1032



0.8734, 0.1682, 0.1254



# Inverse Universe

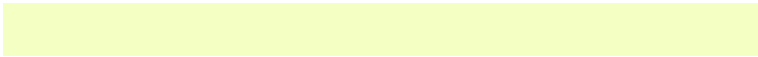
The Inverse Universe completely reimagines the original color for something new.



65.1589, 0.3464, 0.3097



59.8402, 0.3549, 0.3058



94.6761, 0.3410, 0.3894



18.0817, 0.3244, 0.3215



11.4403, 0.5710, 0.2919



1.1327, 0.5390, 0.2743



# Previews

## White Background



This preview shows how the Yxy color 66.9152, 0.2742, 0.2840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

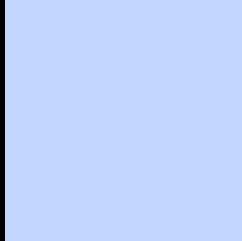
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9152, 0.2742, 0.2840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

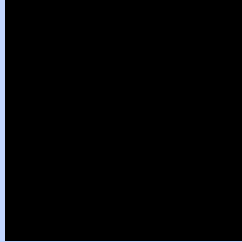
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

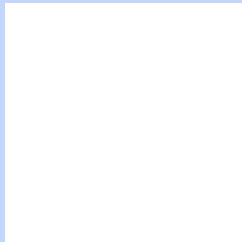
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.9152, 0.2742, 0.2840**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9152, 0.2742, 0.2840.



This preview shows how white text looks on a background with the Yxy color 66.9152, 0.2742, 0.2840.

# 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

66.9152, 0.2742, 0.2840

### Protanopia

66.6595, 0.2815, 0.2835

### Deuteranopia

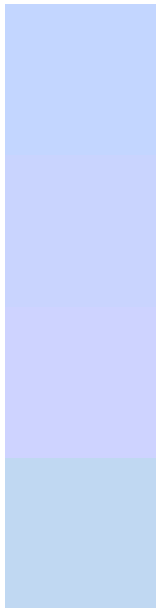
66.9671, 0.2855, 0.2800



## Tritanopia

66.7002, 0.2835, 0.3085

# Trichromacy



**Original Color**

66.9152, 0.2742, 0.2840

**Protanomaly**

66.6602, 0.2784, 0.2832

**Deuteranomaly**

66.9303, 0.2810, 0.2815

**Tritanomaly**

66.7290, 0.2799, 0.2997

# Monochromacy



**Original Color**

66.9152, 0.2742, 0.2840

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

66.3117, 0.2978, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9152, 0.2742, 0.2840 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(195, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 214, 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(195, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 214, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9152, 0.2742, 0.2840 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(195, 214, 255) }
```

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

```
.border{ border-color:rgb(195, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 214,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9152, 0.2742, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 214, 255) }
```

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

```
.background{ background-color: rgb(195,  
214, 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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