

# Converting Colors

Yxy(69.9709, 0.2844, 0.3069)

Have a look what the booklet for  
Yxy(69.9709, 0.2844, 0.3069)  
contains.

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# Color

**Yxy(69.9341, 0.2840, 0.3067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5DDF1
RGB	197, 221, 241
RGB Percent	77%, 87%, 95%
CMY	0.2275, 0.1333, 0.0548
CMYK	0.18, 0.08, 0.00, 0.05
HSL	207°, 61%, 86%
HSV	207°, 18%, 95%
XYZ	64.7580, 69.9341, 93.3291
YIQ	216.1040, -20.7240, 1.1320

# Conversions

## Conversions Part 2

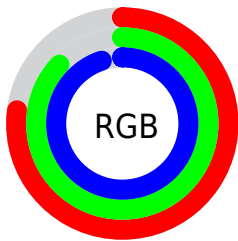
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	197, 213, 241
Decimal	12967409
CIE <sub>Lab</sub>	86.96, -3.84, -12.46
CIE <sub>LCh</sub>	87, 13.038, 252.852
Y <sub>xy</sub>	69.9341, 0.2840, 0.3067
Android (android.graphics.Color)	4291157489 (0xFFC5DDF1)
YUV	216.1040, 12.2737, -16.7542
Hunter-Lab	83.6266, -8.1214, -7.6303

# Details

The Yxy color **69.9341, 0.2840, 0.3067** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3622, 0.3446, 0.3503**, and the grayscale version is **68.6692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **36.6149, 0.2775, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **61.3418, 0.2679, 0.2926**, and if you desaturate by 10%, it is **79.4298, 0.2999, 0.3194**.

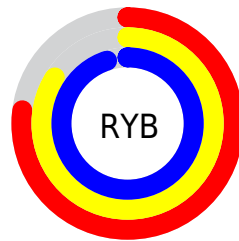
# Distribution



Red (77%)

Green (87%)

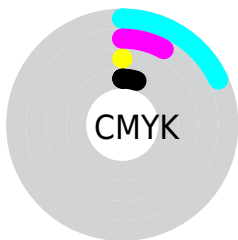
Blue (95%)



Red (77%)

Yellow (84%)

Blue (95%)

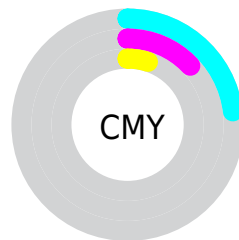


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (23%)

Magenta (13%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9341, 0.2840, 0.3067 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 69.9341, 0.2840, 0.3067 by changing the saturation by 10% instead.



■ 69.9341, 0.2840,  
0.3067

■ 69.9341, 0.2840,  
0.3067

460.3186, 0.2973,  
0.3171

■ 51.4728, 0.2810,  
0.3043

119.1148, 0.2886,  
0.3103

■ 36.5850, 0.2772,  
0.3013

150.6029, 0.2904,  
0.3118

■ 24.8864, 0.2725,  
0.2975

187.2022, 0.2919,  
0.3130

■ 15.9924, 0.2663,  
0.2925

229.2969, 0.2933,  
0.3140

■ 9.5188, 0.2580,  
0.2856

277.2716, 0.2945,  
0.3149

■ 5.0811, 0.2460,  
0.2756

331.5104, 0.2955,

■ 2.2949, 0.2275,

0.3158

0.2598

392.3980, 0.2964,  
0.3165

0.7710, 0.1919,  
0.2316

0.0000, 0.0000,  
0.0000

69.9341, 0.2840,  
0.3067

69.9341, 0.2840,  
0.3067

61.3418, 0.2679,  
0.2926

79.4298, 0.2999,  
0.3194

53.6125, 0.2518,  
0.2773

89.8504, 0.3153,  
0.3309

46.7151, 0.2363,  
0.2609

98.4163, 0.3209,  
0.3414

40.6127, 0.2217,  
0.2436

99.1328, 0.3208,  
0.3424

■ 35.2651, 0.2086,  
0.2258

■ 30.6274, 0.1974,  
0.2079

■ 26.6474, 0.1885,  
0.1903

■ 23.2553, 0.1818,  
0.1734

■ 22.7149, 0.1807,  
0.1706

# Harmonies

## Analogous

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



69.9341, 0.2826, 0.3174



69.9341, 0.2840, 0.3067



69.9341, 0.2929, 0.3022

# Triad

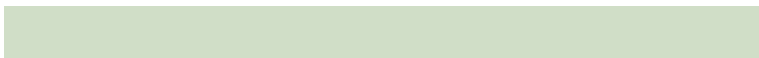
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9341, 0.2840, 0.3067



69.9341, 0.3369, 0.3256



69.9341, 0.3176, 0.3550

# Complementary

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



69.9341, 0.2840, 0.3067



72.3622, 0.3446, 0.3503

# 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.



69.9341, 0.3325, 0.3567



69.9341, 0.2840, 0.3067



69.9341, 0.3438, 0.3393

# Square

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



69.9341, 0.2840, 0.3067



69.9341, 0.3234, 0.3131



69.9341, 0.3422, 0.3508



69.9341, 0.3017, 0.3457



# Rectangle

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



69.9341, 0.2840, 0.3067



69.9341, 0.3020, 0.3031



69.9341, 0.3422, 0.3508



69.9341, 0.3229, 0.3565

# Sweetspot

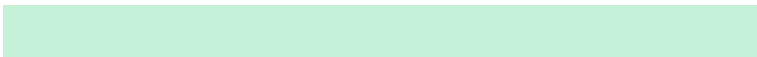
The Sweet Spot groups the original color and five complimentary colors.



69.9370, 0.2840, 0.3067



94.0197, 0.3050, 0.3233



79.7963, 0.2988, 0.3560



19.9488, 0.3039, 0.3225



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

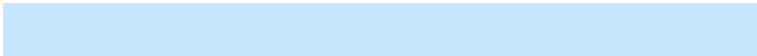


# Same Dimension

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



69.9370, 0.2840, 0.3067



75.6653, 0.2779, 0.3015



59.1486, 0.2826, 0.2816



16.6578, 0.2980, 0.3180



12.5875, 0.1815, 0.1733



1.2458, 0.1876, 0.1955



# Inverse Universe

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



63.8486, 0.3296, 0.3037



67.7461, 0.3339, 0.2982



84.3700, 0.3406, 0.3724



15.9031, 0.3208, 0.3162



11.0641, 0.4766, 0.2399

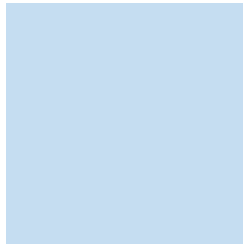


0.9405, 0.4504, 0.2255



# Previews

## White Background



This preview shows how the Yxy color 69.9341, 0.2840, 0.3067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

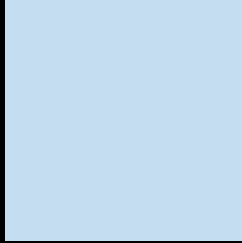
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9341, 0.2840, 0.3067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

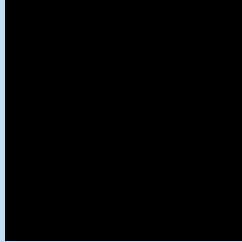
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

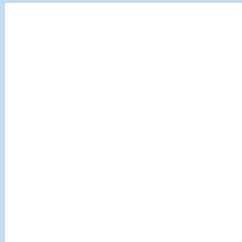
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9341, 0.2840, 0.3067**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9341, 0.2840, 0.3067.



This preview shows how white text looks on a background with the Yxy color 69.9341, 0.2840, 0.3067.

# 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

69.9341, 0.2840, 0.3067

### Protanopia

69.7319, 0.2976, 0.3052

### Deuteranopia

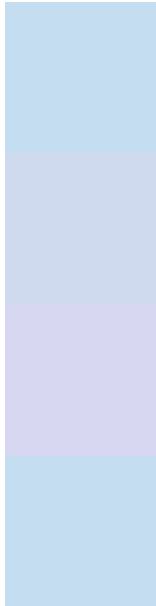
69.8889, 0.3028, 0.2964



## Tritanopia

69.8152, 0.2852, 0.3089

# Trichromacy



**Original Color**

69.9341, 0.2840, 0.3067

**Protanomaly**

69.7847, 0.2923, 0.3060

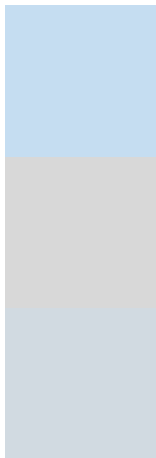
**Deuteranomaly**

69.6106, 0.2958, 0.2999

**Tritanomaly**

69.8745, 0.2846, 0.3078

# Monochromacy



**Original Color**

69.9341, 0.2840, 0.3067

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.1344, 0.3018, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9341, 0.2840, 0.3067 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(197, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(197, 221, 241)  
}
```

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(197, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 221, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9341, 0.2840, 0.3067 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(197, 221, 241) }
```

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

```
.border{ border-color:rgb(197, 221, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 221, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(197, 221,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9341, 0.2840, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 221, 241) }
```

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

```
.background{ background-color: rgb(197,  
221, 241) }
```

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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