

Converting Colors

Yxy(69.5705, 0.2920, 0.3134)

Have a look what the booklet for
Yxy(69.5705, 0.2920, 0.3134)
contains.

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Color

Yxy(69.8234, 0.2921, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	CBDCEA
RGB	203, 220, 234
RGB Percent	80%, 86%, 92%
CMY	0.2038, 0.1373, 0.0823
CMYK	0.13, 0.06, 0.00, 0.08
HSL	207°, 42%, 86%
HSV	207°, 13%, 92%
XYZ	65.0779, 69.8234, 87.8919
YIQ	216.5130, -14.6260, 0.7500

Conversions

Conversions Part 2

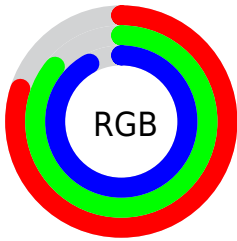
Format	Color
RYB	203, 214, 234
Decimal	13360362
CIELab	86.91, -2.89, -8.79
CIELCh	87, 9.251, 251.818
Yxy	69.8234, 0.2921, 0.3134
Android (android.graphics.Color)	4291550442 (0xFFCBDCEA)
YUV	216.5130, 8.6211, -11.8509
Hunter-Lab	83.5604, -7.2126, -3.8711

Details

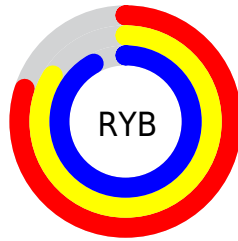
The Yxy color **69.8234, 0.2921, 0.3134** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4477, 0.3349, 0.3441**, and the grayscale version is **68.9891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5142, 0.2877, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **61.4059, 0.2761, 0.3001**, and if you desaturate by 10%, it is **79.0941, 0.3078, 0.3254**.

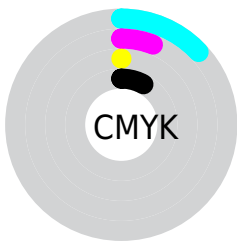
Distribution



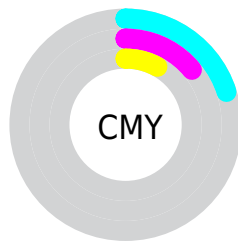
- Red (80%)
- Green (86%)
- Blue (92%)



- Red (80%)
- Yellow (84%)
- Blue (92%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8234, 0.2921, 0.3134 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 69.8234, 0.2921, 0.3134 by changing the saturation by 10% instead.

■ 69.8234, 0.2921,
0.3134

■ 69.8234, 0.2921,
0.3134

459.9297, 0.3017,
0.3207

■ 51.3826, 0.2899,
0.3117

118.9569, 0.2954,
0.3160

■ 36.5132, 0.2872,
0.3096

150.4183, 0.2967,
0.3169

■ 24.8308, 0.2838,
0.3069

186.9888, 0.2978,
0.3178

■ 15.9510, 0.2793,
0.3034

229.0526, 0.2988,
0.3185

■ 9.4895, 0.2731,
0.2985

276.9942, 0.2996,
0.3192

■ 5.0618, 0.2642,
0.2914

331.1980, 0.3004,

■ 2.2836, 0.2503,

0.3197

0.2800

392.0484, 0.3011,
0.3203

0.7650, 0.2223,
0.2590

0.0000, 0.0000,
0.0000

69.8234, 0.2921,
0.3134

69.8234, 0.2921,
0.3134

61.4059, 0.2761,
0.3001

79.0941, 0.3078,
0.3254

53.8041, 0.2600,
0.2855

89.2362, 0.3228,
0.3361

46.9907, 0.2442,
0.2698

96.6563, 0.3253,
0.3462

40.9328, 0.2291,
0.2530

98.7208, 0.3250,
0.3493

■ 35.5950, 0.2152,
0.2355

■ 30.9377, 0.2031,
0.2177

■ 26.9166, 0.1930,
0.2000

■ 23.4790, 0.1852,
0.1829

■ 21.4343, 0.1810,
0.1717

Harmonies

Analogous

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



69.8234, 0.2913, 0.3212



69.8234, 0.2921, 0.3134



69.8234, 0.2983, 0.3099

Triad

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



69.8234, 0.2921, 0.3134



69.8234, 0.3296, 0.3264



69.8234, 0.3167, 0.3474

Complementary

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



69.8234, 0.2921, 0.3134



71.4477, 0.3349, 0.3441

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.



69.8234, 0.3271, 0.3486



69.8234, 0.2921, 0.3134



69.8234, 0.3347, 0.3362

Square

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



69.8234, 0.2921, 0.3134



69.8234, 0.3199, 0.3174



69.8234, 0.3337, 0.3443



69.8234, 0.3053, 0.3411

Rectangle

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



69.8234, 0.2921, 0.3134



69.8234, 0.3048, 0.3103



69.8234, 0.3337, 0.3443



69.8234, 0.3204, 0.3484

Sweetspot

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



69.8263, 0.2921, 0.3134



95.2095, 0.3066, 0.3245



76.5564, 0.3026, 0.3479



20.1900, 0.3054, 0.3236



0.0000, 0.0000, 0.0000



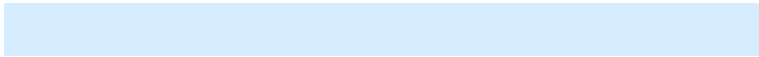
21.4041, 0.3127, 0.3290

Same Dimension

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



69.8263, 0.2921, 0.3134



81.8569, 0.2876, 0.3098



62.0993, 0.2916, 0.2958



15.9170, 0.2981, 0.3181



12.2994, 0.1818, 0.1743



1.1576, 0.1882, 0.1975

Inverse Universe

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



65.3837, 0.3243, 0.3109



75.5428, 0.3272, 0.3068



79.7765, 0.3327, 0.3602



15.1922, 0.3207, 0.3162



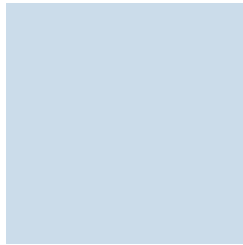
10.7344, 0.4754, 0.2393



0.8623, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 69.8234, 0.2921, 0.3134 looks on a white background.

Color Contrast Check

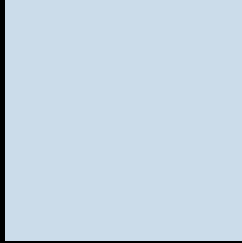
Large Text (above 18pt) WCAG AA × Fail

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 69.8234, 0.2921, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

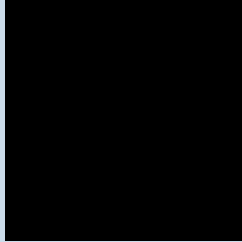
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

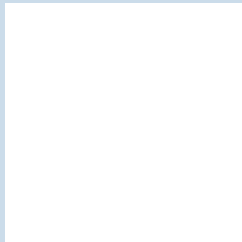
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8234, 0.2921, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 69.8234, 0.2921, 0.3134.

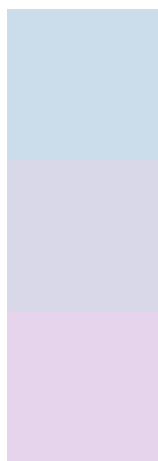


This preview shows how white text looks on a background with the Yxy color 69.8234, 0.2921, 0.3134.

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

69.8234, 0.2921, 0.3134

Protanopia

69.6896, 0.3029, 0.3116

Deuteranopia

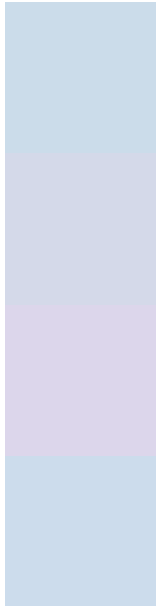
69.4677, 0.3096, 0.3026



Tritanopia

70.1382, 0.2909, 0.3102

Trichromacy



Original Color

69.8234, 0.2921, 0.3134

Protanomaly

69.5059, 0.2987, 0.3114

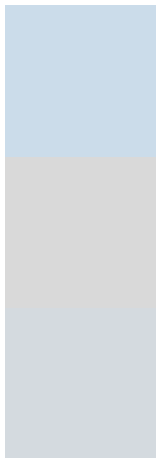
Deuteranomaly

69.3069, 0.3030, 0.3064

Tritanomaly

70.0799, 0.2915, 0.3113

Monochromacy



Original Color

69.8234, 0.2921, 0.3134

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.4676, 0.3052, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8234, 0.2921, 0.3134 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(203, 220, 234)` looks like.

```
.text, #text, p{  
    color:rgb(203, 220, 234)  
}
```

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(203, 220, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 220, 234) }
```

Border

The CSS property to change the border of an element to Yxy 69.8234, 0.2921, 0.3134 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(203, 220, 234) }
```

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

```
.border{ border-color:rgb(203, 220, 234) }
```

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

Here you see how a box with a 4 pixel rgb(203, 220, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 220, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 220, 234);  
box-shadow:4px 4px 4px 4px rgb(203, 220,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8234, 0.2921, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 220, 234) }
```

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

```
.background{ background-color: rgb(203,  
220, 234) }
```

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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