

# Converting Colors

$Y_{xy}(71.1291, 0.2944, 0.3165)$

Have a look what the booklet for  
Yxy(71.1291, 0.2944, 0.3165)  
contains.

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# Color

**Yxy(71.2476, 0.2947, 0.3168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEDEE9
RGB	206, 222, 233
RGB Percent	81%, 87%, 91%
CMY	0.1923, 0.1294, 0.0861
CMYK	0.12, 0.05, 0.00, 0.09
HSL	204°, 38%, 86%
HSV	204°, 12%, 91%
XYZ	66.2774, 71.2476, 87.3728
YIQ	218.4700, -13.0670, 0.0290

# Conversions

## Conversions Part 2

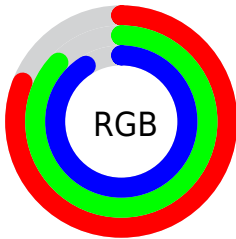
Format	Color
R <sub>Y</sub> B	206, 216, 233
Decimal	13557481
CIE Lab	87.61, -3.19, -7.22
CIE LCh	88, 7.897, 246.164
Yxy	71.2476, 0.2947, 0.3168
Android (android.graphics.Color)	4291747561 (0xFFCEDEE9)
YUV	218.4700, 7.1633, -10.9362
Hunter-Lab	84.4083, -7.5564, -2.2865

# Details

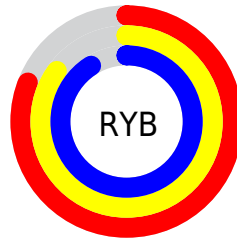
The Yxy color **71.2476, 0.2947, 0.3168** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3971, 0.3321, 0.3409**, and the grayscale version is **70.4071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4872, 0.2912, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **63.2621, 0.2789, 0.3051**, and if you desaturate by 10%, it is **80.0168, 0.3102, 0.3274**.

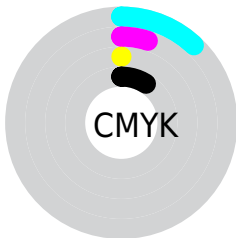
# Distribution



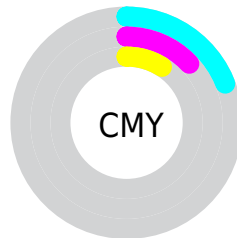
- Red (81%)
- Green (87%)
- Blue (91%)



- Red (81%)
- Yellow (85%)
- Blue (91%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2476, 0.2947, 0.3168 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 71.2476, 0.2947, 0.3168 by changing the saturation by 10% instead.



■ 71.2476, 0.2947,  
0.3168

■ 71.2476, 0.2947,  
0.3168

464.9185, 0.3030,  
0.3225

■ 52.5443, 0.2928,  
0.3155

120.9862, 0.2976,  
0.3188

■ 37.4391, 0.2904,  
0.3138

152.7903, 0.2987,  
0.3196

■ 25.5476, 0.2875,  
0.3118

189.7301, 0.2997,  
0.3202

■ 16.4855, 0.2836,  
0.3090

232.1900, 0.3005,  
0.3208

■ 9.8684, 0.2783,  
0.3052

280.5544, 0.3013,  
0.3213

■ 5.3118, 0.2706,  
0.2997

335.2077, 0.3019,

■ 2.4313, 0.2586,

0.3218

0.2909

396.5343, 0.3025,  
0.3222

0.8419, 0.2359,  
0.2750

0.0000, 0.0000,  
0.0000

71.2476, 0.2947,  
0.3168

71.2476, 0.2947,  
0.3168

63.2621, 0.2789,  
0.3051

80.0168, 0.3102,  
0.3274

56.0253, 0.2631,  
0.2922

89.5858, 0.3253,  
0.3369

49.5119, 0.2477,  
0.2783

95.8061, 0.3260,  
0.3459

43.6919, 0.2330,  
0.2634

98.6650, 0.3256,  
0.3502

■ 38.5326, 0.2196,  
0.2479

■ 33.9977, 0.2078,  
0.2320

■ 30.0463, 0.1980,  
0.2161

■ 26.6301, 0.1904,  
0.2005

■ 24.1169, 0.1855,  
0.1877

# Harmonies

## Analogous

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



71.2476, 0.2949, 0.3240



71.2476, 0.2947, 0.3168



71.2476, 0.2992, 0.3130

# Triad

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



71.2476, 0.2947, 0.3168



71.2476, 0.3257, 0.3252



71.2476, 0.3179, 0.3451

# Complementary

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



71.2476, 0.2947, 0.3168



71.3971, 0.3321, 0.3409

# 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.



71.2476, 0.3263, 0.3452



71.2476, 0.2947, 0.3168



71.2476, 0.3309, 0.3336

# Square

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



71.2476, 0.2947, 0.3168



71.2476, 0.3171, 0.3179



71.2476, 0.3311, 0.3409



71.2476, 0.3082, 0.3405



# Rectangle

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



71.2476, 0.2947, 0.3168



71.2476, 0.3044, 0.3128



71.2476, 0.3311, 0.3409



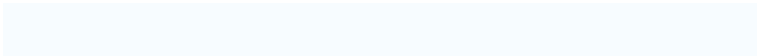
71.2476, 0.3209, 0.3457

# Sweetspot

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



71.2506, 0.2947, 0.3168



96.6074, 0.3081, 0.3260



76.4106, 0.3046, 0.3470



20.4871, 0.3069, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

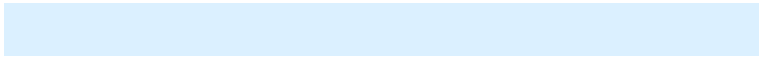


# Same Dimension

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



71.2506, 0.2947, 0.3168



84.9243, 0.2908, 0.3140



64.4379, 0.2944, 0.3017



16.0341, 0.2981, 0.3192



13.9300, 0.1861, 0.1901



1.2821, 0.1920, 0.2113



# Inverse Universe

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



66.7262, 0.3219, 0.3119



78.3990, 0.3240, 0.3081



78.5578, 0.3304, 0.3549



15.2040, 0.3200, 0.3151



10.8990, 0.4567, 0.2289

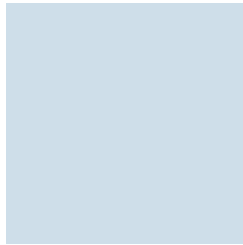


0.8748, 0.4327, 0.2157



# Previews

## White Background



This preview shows how the Yxy color 71.2476, 0.2947, 0.3168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

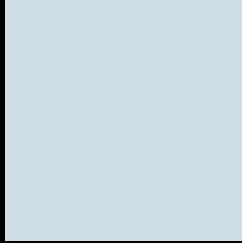
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2476, 0.2947, 0.3168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

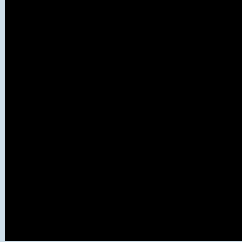
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

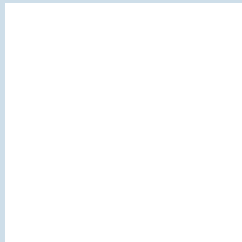
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.2476, 0.2947, 0.3168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2476, 0.2947, 0.3168.

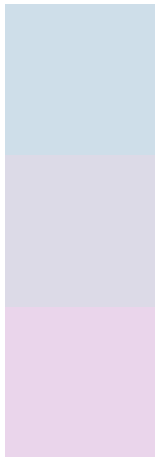


This preview shows how white text looks on a background with the Yxy color 71.2476, 0.2947, 0.3168.

# 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

71.2476, 0.2947, 0.3168

### Protanopia

71.1280, 0.3056, 0.3150

### Deuteranopia

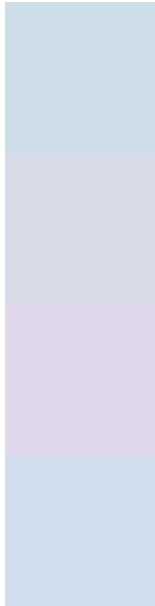
71.0791, 0.3131, 0.3060



## Tritanopia

71.2103, 0.2917, 0.3093

# Trichromacy



## Original Color

71.2476, 0.2947, 0.3168

## Protanomaly

70.9363, 0.3015, 0.3148

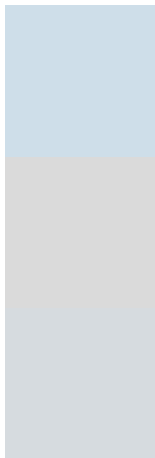
## Deuteranomaly

70.8995, 0.3065, 0.3098

## Tritanomaly

71.0927, 0.2929, 0.3114

# Monochromacy



## Original Color

71.2476, 0.2947, 0.3168

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.2869, 0.3065, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2476, 0.2947, 0.3168 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(206, 222, 233)` looks like.

```
.text, #text, p{  
    color:rgb(206, 222, 233)  
}
```

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(206, 222, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 222, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2476, 0.2947, 0.3168 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(206, 222, 233) }
```

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

```
.border{ border-color:rgb(206, 222, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 222, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 222, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 222, 233); box-shadow:4px 4px 4px 4px rgb(206, 222, 233) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2476, 0.2947, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 222, 233) }
```

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

```
.background{ background-color: rgb(206,  
222, 233) }
```

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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