

# Converting Colors

$Yxy(70.3021, 0.2928, 0.3170)$

Have a look what the booklet for  
Yxy(70.3021, 0.2928, 0.3170)  
contains.

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# Color

**Yxy(70.0957, 0.2927, 0.3167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CADDE8
RGB	202, 221, 232
RGB Percent	79%, 87%, 91%
CMY	0.2077, 0.1333, 0.0902
CMYK	0.13, 0.05, 0.00, 0.09
HSL	202°, 39%, 85%
HSV	202°, 13%, 91%
XYZ	64.7837, 70.0957, 86.4521
YIQ	216.5730, -14.8550, -0.6070

# Conversions

## Conversions Part 2

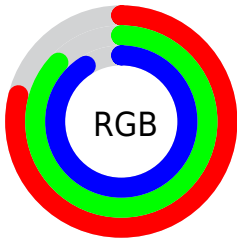
Format	Color
R <sub>Y</sub> B	202, 214, 232
Decimal	13295080
CIE Lab	87.04, -4.13, -7.54
CIE LCh	87, 8.592, 241.291
Yxy	70.0957, 0.2927, 0.3167
Android (android.graphics.Color)	4291485160 (0xFFCADDE8)
YUV	216.5730, 7.6055, -12.7805
Hunter-Lab	83.7232, -8.3949, -2.6163

# Details

The Yxy color `70.0957, 0.2927, 0.3167` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `69.0209, 0.3347, 0.3410`, and the grayscale version is `69.0398, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.7029, 0.2885, 0.3143` is the 20% darker color. If you saturate the color by 10%, you get `62.7197, 0.2770, 0.3060`, and if you desaturate by 10%, it is `78.1919, 0.3082, 0.3264`.

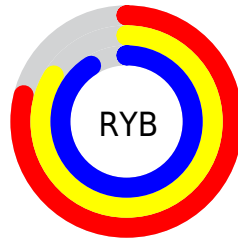
# Distribution



Red (79%)

Green (87%)

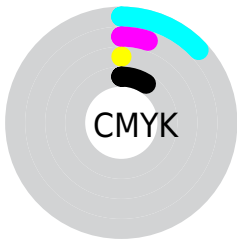
Blue (91%)



Red (79%)

Yellow (84%)

Blue (91%)

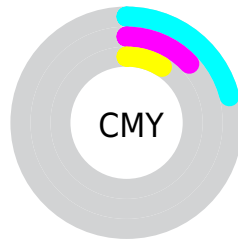


Cyan (13%)

Magenta (5%)

Yellow (0%)

Black (9%)



Cyan (21%)

Magenta (13%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0957, 0.2927, 0.3167 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 70.0957, 0.2927, 0.3167 by changing the saturation by 10% instead.



■ 70.0957, 0.2927,  
0.3167

■ 70.0957, 0.2927,  
0.3167

460.8860, 0.3020,  
0.3225

■ 51.6046, 0.2906,  
0.3154

119.3452, 0.2959,  
0.3187

■ 36.6900, 0.2880,  
0.3137

150.8724, 0.2972,  
0.3195

■ 24.9675, 0.2846,  
0.3115

187.5137, 0.2983,  
0.3202

■ 16.0529, 0.2803,  
0.3087

229.6535, 0.2992,  
0.3208

■ 9.5616, 0.2743,  
0.3048

277.6763, 0.3000,  
0.3213

■ 5.1093, 0.2657,  
0.2991

331.9663, 0.3007,

■ 2.3115, 0.2522,

0.3217

0.2898

392.9081, 0.3014,  
0.3221

0.7798, 0.2241,  
0.2729

0.0000, 0.0000,  
0.0000

70.0957, 0.2927,  
0.3167

70.0957, 0.2927,  
0.3167

62.7197, 0.2770,  
0.3060

78.1919, 0.3082,  
0.3264

56.0302, 0.2616,  
0.2944

87.0232, 0.3234,  
0.3350

50.0035, 0.2466,  
0.2818

93.3235, 0.3270,  
0.3432

44.6108, 0.2326,  
0.2684

98.6057, 0.3262,  
0.3513

■ 39.8206, 0.2200,  
0.2545

■ 35.5981, 0.2090,  
0.2403

■ 31.9035, 0.2001,  
0.2260

■ 28.6893, 0.1933,  
0.2120

■ 26.6522, 0.1895,  
0.2022

# Harmonies

## Analogous

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



70.0957, 0.2938, 0.3250



70.0957, 0.2927, 0.3167



70.0957, 0.2968, 0.3119

# Triad

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



70.0957, 0.2927, 0.3167



70.0957, 0.3256, 0.3234



70.0957, 0.3200, 0.3470

# Complementary

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



70.0957, 0.2927, 0.3167



69.0209, 0.3347, 0.3410

# 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.



70.0957, 0.3287, 0.3463



70.0957, 0.2927, 0.3167



70.0957, 0.3320, 0.3325

# Square

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



70.0957, 0.2927, 0.3167



70.0957, 0.3157, 0.3158



70.0957, 0.3331, 0.3409



70.0957, 0.3095, 0.3427



# Rectangle

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



70.0957, 0.2927, 0.3167



70.0957, 0.3021, 0.3112



70.0957, 0.3331, 0.3409



70.0957, 0.3233, 0.3474

# Sweetspot

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



70.0986, 0.2927, 0.3167



95.7518, 0.3065, 0.3254



75.0744, 0.3044, 0.3503



20.3274, 0.3054, 0.3246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

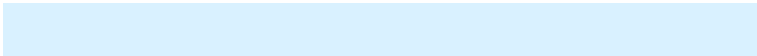


# Same Dimension

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



70.0986, 0.2927, 0.3167



84.8234, 0.2893, 0.3145



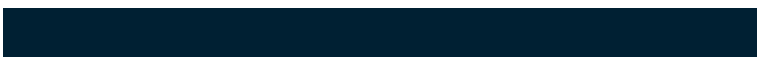
62.5415, 0.2923, 0.2996



15.4006, 0.2981, 0.3202



15.0456, 0.1901, 0.2045



1.2876, 0.1958, 0.2247



# Inverse Universe

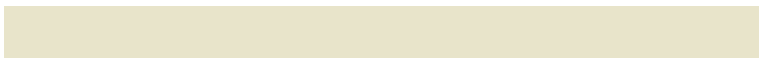
The Inverse Universe completely reimagines the original color for something new.



64.6303, 0.3221, 0.3086



77.1057, 0.3239, 0.3051



76.9053, 0.3326, 0.3568



14.5208, 0.3194, 0.3142



10.7166, 0.4403, 0.2199

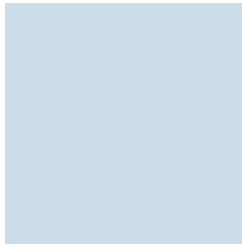


0.8097, 0.4182, 0.2078



# Previews

## White Background



This preview shows how the Yxy color 70.0957, 0.2927, 0.3167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

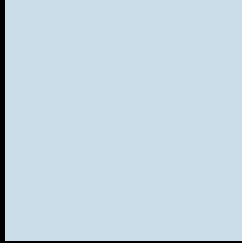
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0957, 0.2927, 0.3167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

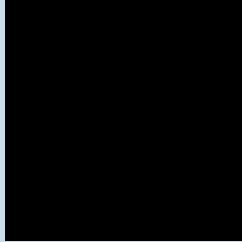
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

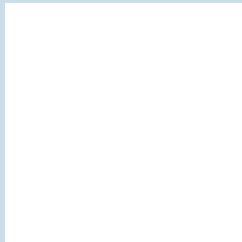
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0957, 0.2927, 0.3167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0957, 0.2927, 0.3167.

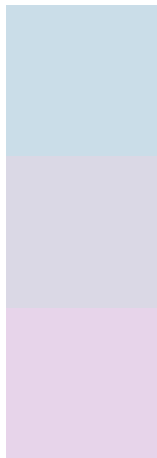


This preview shows how white text looks on a background with the Yxy color 70.0957, 0.2927, 0.3167.

# 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

70.0957, 0.2927, 0.3167

### Protanopia

69.6743, 0.3055, 0.3148

### Deuteranopia

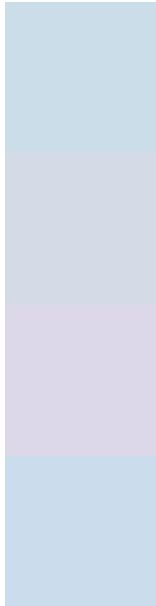
70.0164, 0.3116, 0.3058



## Tritanopia

70.0560, 0.2897, 0.3091

# Trichromacy



## Original Color

70.0957, 0.2927, 0.3167

## Protanomaly

69.8530, 0.3007, 0.3158

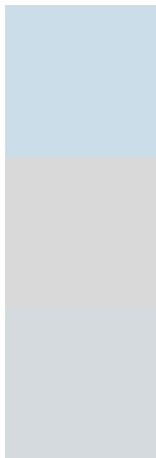
## Deuteranomaly

69.6997, 0.3043, 0.3096

## Tritanomaly

69.9390, 0.2909, 0.3112

# Monochromacy



## Original Color

70.0957, 0.2927, 0.3167

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.4138, 0.3058, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0957, 0.2927, 0.3167 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(202, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 221, 232)  
}
```

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(202, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 221, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0957, 0.2927, 0.3167 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(202, 221, 232) }
```

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

```
.border{ border-color:rgb(202, 221, 232) }
```

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

Here you see how a box with a 4 pixel rgb(202, 221, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 221,  
232) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 70.0957, 0.2927, 0.3167$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 221, 232) }
```

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

```
.background{ background-color: rgb(202,  
221, 232) }
```

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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