

# Converting Colors

$Yxy(70.0567, 0.2925, 0.3158)$

Have a look what the booklet for  
Yxy(70.0567, 0.2925, 0.3158)  
contains.

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# Color

**Yxy(70.1527, 0.2921, 0.3156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CADDE9
RGB	202, 221, 233
RGB Percent	79%, 87%, 91%
CMY	0.2077, 0.1334, 0.0863
CMYK	0.13, 0.05, 0.00, 0.09
HSL	203°, 41%, 85%
HSV	203°, 13%, 91%
XYZ	64.9290, 70.1527, 87.2019
YIQ	216.6870, -15.1760, -0.2960

# Conversions

## Conversions Part 2

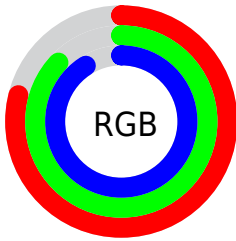
Format	Color
R <sub>Y</sub> B	202, 214, 233
Decimal	13295081
CIE Lab	87.07, -3.92, -8.02
CIE LCh	87, 8.928, 243.962
Yxy	70.1527, 0.2921, 0.3156
Android (android.graphics.Color)	4291485161 (0xFFCADDE9)
YUV	216.6870, 8.0423, -12.8805
Hunter-Lab	83.7572, -8.2010, -3.0983

# Details

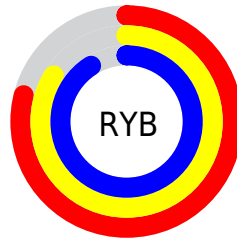
The Yxy color **70.1527, 0.2921, 0.3156** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.7028, 0.3353, 0.3420**, and the grayscale version is **69.1203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7427, 0.2877, 0.3129** is the 20% darker color. If you saturate the color by 10%, you get **62.5044, 0.2764, 0.3043**, and if you desaturate by 10%, it is **78.5542, 0.3077, 0.3259**.

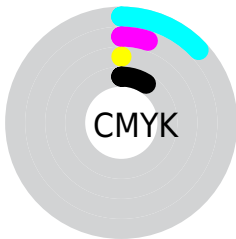
# Distribution



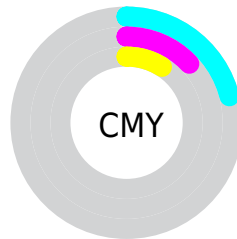
- Red (79%)
- Green (87%)
- Blue (91%)



- 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 70.1527, 0.2921, 0.3156 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 70.1527, 0.2921, 0.3156 by changing the saturation by 10% instead.



■ 70.1527, 0.2921,  
0.3156

■ 70.1527, 0.2921,  
0.3156

461.0860, 0.3017,  
0.3219

■ 51.6510, 0.2899,  
0.3141

119.4265, 0.2954,  
0.3178

■ 36.7270, 0.2872,  
0.3123

150.9674, 0.2967,  
0.3187

■ 24.9962, 0.2838,  
0.3100

187.6235, 0.2978,  
0.3194

■ 16.0742, 0.2793,  
0.3069

229.7792, 0.2988,  
0.3200

■ 9.5767, 0.2732,  
0.3027

277.8189, 0.2996,  
0.3206

■ 5.1192, 0.2643,  
0.2965

332.1270, 0.3004,

■ 2.3174, 0.2505,

0.3211

0.2865

393.0879, 0.3011,  
0.3215

0.7829, 0.2222,  
0.2683

0.0000, 0.0000,  
0.0000

70.1527, 0.2921,  
0.3156

70.1527, 0.2921,  
0.3156

62.5044, 0.2764,  
0.3043

78.5542, 0.3077,  
0.3259

55.5745, 0.2607,  
0.2919

87.7245, 0.3229,  
0.3351

49.3384, 0.2456,  
0.2785

94.3335, 0.3263,  
0.3437

43.7662, 0.2314,  
0.2643

98.6627, 0.3256,  
0.3503

■ 38.8254, 0.2185,  
0.2495

■ 34.4798, 0.2073,  
0.2344

■ 30.6883, 0.1981,  
0.2193

■ 27.4017, 0.1911,  
0.2044

■ 25.4286, 0.1874,  
0.1947

# Harmonies

## Analogous

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



70.1527, 0.2928, 0.3240



70.1527, 0.2921, 0.3156



70.1527, 0.2968, 0.3110

# Triad

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



70.1527, 0.2921, 0.3156



70.1527, 0.3269, 0.3240



70.1527, 0.3194, 0.3476

# Complementary

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



70.1527, 0.2921, 0.3156



69.7028, 0.3353, 0.3420

# 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.



70.1527, 0.3287, 0.3473



70.1527, 0.2921, 0.3156



70.1527, 0.3331, 0.3335

# Square

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



70.1527, 0.2921, 0.3156



70.1527, 0.3168, 0.3159



70.1527, 0.3338, 0.3420



70.1527, 0.3084, 0.3427



# Rectangle

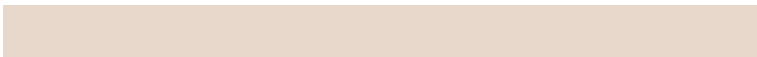
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1527, 0.2921, 0.3156



70.1527, 0.3025, 0.3106



70.1527, 0.3338, 0.3420



70.1527, 0.3228, 0.3481

# Sweetspot

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



70.1556, 0.2921, 0.3156



95.6195, 0.3065, 0.3251



75.6861, 0.3038, 0.3504



20.2939, 0.3054, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

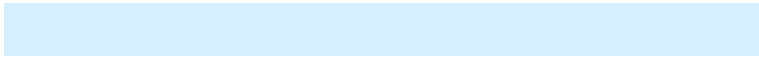


# Same Dimension

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



70.1556, 0.2921, 0.3156



83.3867, 0.2877, 0.3125



62.4224, 0.2916, 0.2981



16.0845, 0.2981, 0.3196



14.6775, 0.1880, 0.1969



1.3383, 0.1937, 0.2172



# Inverse Universe

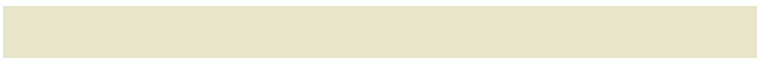
The Inverse Universe completely reimagines the original color for something new.



64.8046, 0.3229, 0.3087



75.6973, 0.3254, 0.3043



77.8382, 0.3331, 0.3581



15.2091, 0.3197, 0.3147



10.9745, 0.4488, 0.2246

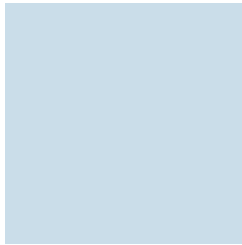


0.8805, 0.4263, 0.2122



# Previews

## White Background



This preview shows how the Yxy color 70.1527, 0.2921, 0.3156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

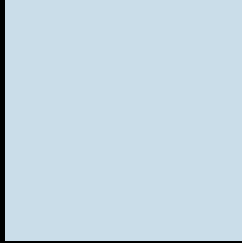
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1527, 0.2921, 0.3156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

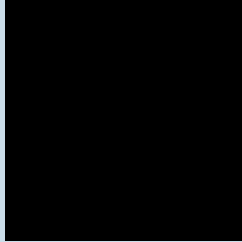
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

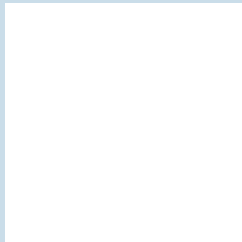
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1527, 0.2921, 0.3156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1527, 0.2921, 0.3156.

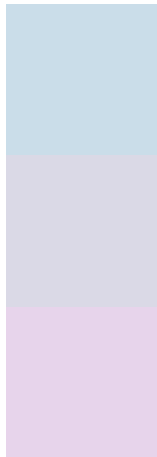


This preview shows how white text looks on a background with the Yxy color 70.1527, 0.2921, 0.3156.

# 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

70.1527, 0.2921, 0.3156

### Protanopia

70.2443, 0.3049, 0.3149

### Deuteranopia

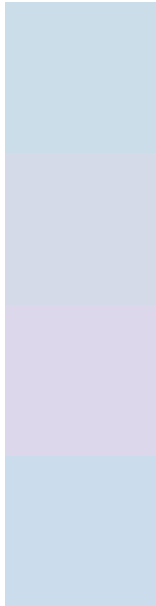
70.0740, 0.3109, 0.3048



## Tritanopia

70.0560, 0.2897, 0.3091

# Trichromacy



## Original Color

70.1527, 0.2921, 0.3156

## Protanomaly

69.9094, 0.3000, 0.3147

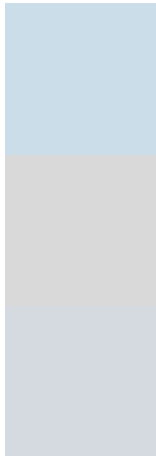
## Deuteranomaly

69.7570, 0.3037, 0.3085

## Tritanomaly

69.9390, 0.2909, 0.3112

# Monochromacy



## Original Color

70.1527, 0.2921, 0.3156

## 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 70.1527, 0.2921, 0.3156 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(202, 221, 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(202, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 221, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1527, 0.2921, 0.3156 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, 233) }
```

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

```
.border{ border-color:rgb(202, 221, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(202, 221,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1527, 0.2921, 0.3156 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, 233) }
```

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

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