

# Converting Colors

$Yxy(71.1086, 0.3078, 0.3257)$

Have a look what the booklet for  
Yxy(71.1086, 0.3078, 0.3257)  
contains.

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# Color

**Yxy(71.1130, 0.3079, 0.3257)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8DCDF
RGB	216, 220, 223
RGB Percent	85%, 86%, 87%
CMY	0.1530, 0.1372, 0.1255
CMYK	0.03, 0.01, 0.00, 0.13
HSL	206°, 10%, 86%
HSV	206°, 3%, 87%
XYZ	67.2266, 71.1130, 79.9994
YIQ	219.1460, -3.3470, 0.0850

# Conversions

## Conversions Part 2

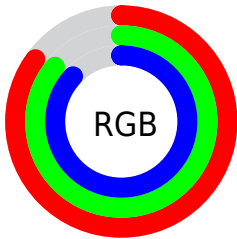
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 219, 223
Decimal	14212319
CIE Lab	87.54, -0.80, -1.95
CIE LCh	88, 2.112, 247.650
Yxy	71.1130, 0.3079, 0.3257
Android (android.graphics.Color)	4292402399 (0xFFD8DCDF)
YUV	219.1460, 1.9000, -2.7590
Hunter-Lab	84.3285, -5.2750, 2.7837

# Details

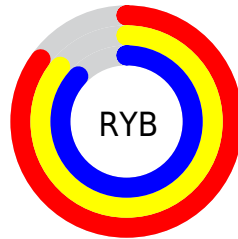
The Yxy color **71.1130, 0.3079, 0.3257** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2947, 0.3176, 0.3323**, and the grayscale version is **70.9330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3145, 0.3065, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **63.0995, 0.2923, 0.3145**, and if you desaturate by 10%, it is **79.8771, 0.3230, 0.3358**.

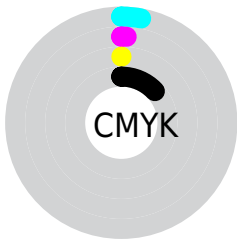
# Distribution



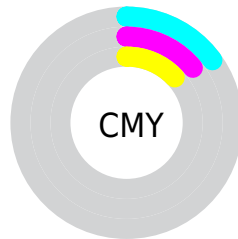
- Red (85%)
- Green (86%)
- Blue (87%)



- Red (85%)
- Yellow (86%)
- Blue (87%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (14%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1130, 0.3079, 0.3257 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 71.1130, 0.3079, 0.3257 by changing the saturation by 10% instead.



■ 71.1130, 0.3079,  
0.3257

■ 71.1130, 0.3079,  
0.3257

464.4484, 0.3101,  
0.3272

■ 52.4344, 0.3074,  
0.3253

120.7946, 0.3087,  
0.3262

■ 37.3515, 0.3067,  
0.3249

152.5664, 0.3090,  
0.3264

■ 25.4797, 0.3059,  
0.3243

189.4714, 0.3092,  
0.3266

■ 16.4348, 0.3049,  
0.3236

231.8941, 0.3095,  
0.3268

■ 9.8324, 0.3034,  
0.3226

280.2187, 0.3097,  
0.3269

■ 5.2880, 0.3013,  
0.3211

334.8296, 0.3098,

■ 2.4172, 0.2979,

0.3270

0.3187

396.1114, 0.3100,  
0.3272

0.8347, 0.2913,  
0.3143

0.0000, 0.0000,  
0.0000

71.1130, 0.3079,  
0.3257

71.1130, 0.3079,  
0.3257

63.0995, 0.2923,  
0.3145

79.8771, 0.3230,  
0.3358

55.8044, 0.2765,  
0.3020

88.3312, 0.3336,  
0.3449

49.2062, 0.2606,  
0.2884

94.0431, 0.3323,  
0.3540

43.2790, 0.2451,  
0.2736

98.1081, 0.3315,  
0.3601

■ 37.9945, 0.2304,  
0.2580

■ 33.3224, 0.2169,  
0.2416

■ 29.2288, 0.2051,  
0.2250

■ 25.6755, 0.1953,  
0.2083

■ 22.6171, 0.1878,  
0.1921

# Harmonies

## Analogous

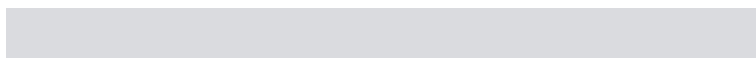
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1130, 0.3079, 0.3276



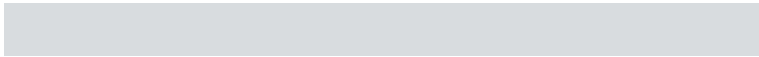
71.1130, 0.3079, 0.3257



71.1130, 0.3092, 0.3247

# Triad

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



71.1130, 0.3079, 0.3257



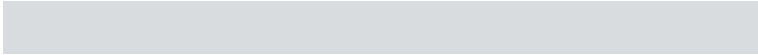
71.1130, 0.3163, 0.3281



71.1130, 0.3140, 0.3332

# Complementary

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



71.1130, 0.3079, 0.3257



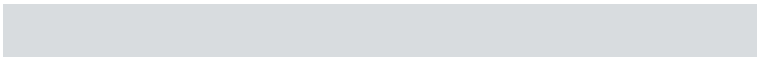
71.2947, 0.3176, 0.3323

# 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.



71.1130, 0.3163, 0.3334



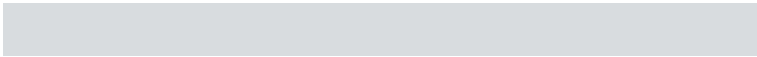
71.1130, 0.3079, 0.3257



71.1130, 0.3176, 0.3304

# Square

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



71.1130, 0.3079, 0.3257



71.1130, 0.3140, 0.3261



71.1130, 0.3176, 0.3323



71.1130, 0.3114, 0.3320

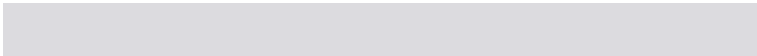


# Rectangle

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



71.1130, 0.3079, 0.3257



71.1130, 0.3106, 0.3247



71.1130, 0.3176, 0.3323



71.1130, 0.3148, 0.3334

# Sweetspot

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



71.1160, 0.3079, 0.3257



98.8282, 0.3112, 0.3280



72.4844, 0.3105, 0.3335



21.1657, 0.3113, 0.3280



0.0000, 0.0000, 0.0000

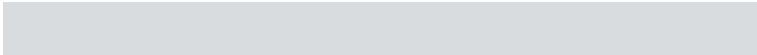


21.4041, 0.3127, 0.3290

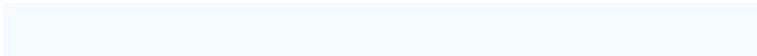


# Same Dimension

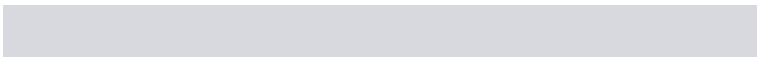
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1160, 0.3079, 0.3257



95.3747, 0.3066, 0.3248



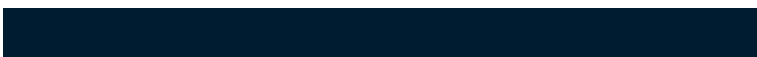
69.3240, 0.3080, 0.3219



15.3855, 0.3055, 0.3240



12.4350, 0.1844, 0.1837



1.0384, 0.1912, 0.2082



# Inverse Universe

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



69.9569, 0.3151, 0.3246



93.3871, 0.3158, 0.3234



73.1128, 0.3174, 0.3360



15.0096, 0.3163, 0.3224



10.1634, 0.4642, 0.2331

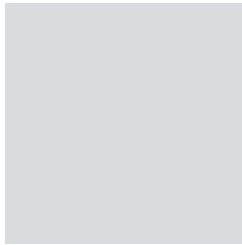


0.7223, 0.4361, 0.2176



# Previews

## White Background



This preview shows how the Yxy color 71.1130, 0.3079, 0.3257 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

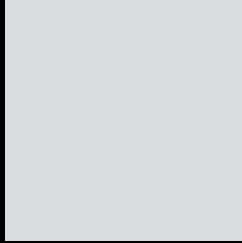
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1130, 0.3079, 0.3257 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

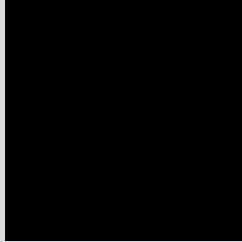
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

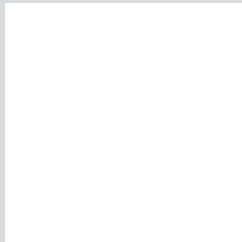
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.1130, 0.3079, 0.3257**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1130, 0.3079, 0.3257.

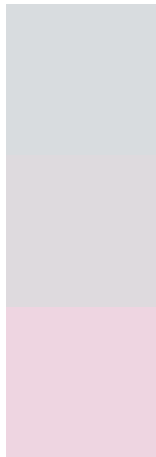


This preview shows how white text looks on a background with the Yxy color 71.1130, 0.3079, 0.3257.

# 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

71.1130, 0.3079, 0.3257

### Protanopia

70.9463, 0.3129, 0.3247

### Deuteranopia

71.2019, 0.3229, 0.3165



## Tritanopia

71.0464, 0.3016, 0.3107

# Trichromacy



## Original Color

71.1130, 0.3079, 0.3257

## Protanomaly

71.1526, 0.3114, 0.3257

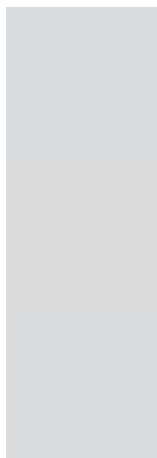
## Deuteranomaly

71.3165, 0.3175, 0.3205

## Tritanomaly

71.1843, 0.3035, 0.3160

# Monochromacy



## Original Color

71.1130, 0.3079, 0.3257

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.7358, 0.3113, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1130, 0.3079, 0.3257 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(216, 220, 223)` looks like.

```
.text, #text, p{  
    color:rgb(216, 220, 223)  
}
```

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(216, 220, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 220, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1130, 0.3079, 0.3257 is called "border". The border property can be set on classes, ids or directly on the HTML element.

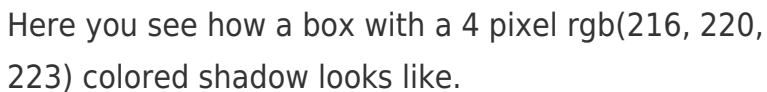
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 220, 223) }
```

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

```
.border{ border-color:rgb(216, 220, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 220, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 220, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 220, 223); box-shadow:4px 4px 4px 4px rgb(216, 220, 223) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1130, 0.3079, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 220, 223) }
```

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

```
.background{ background-color: rgb(216,  
220, 223) }
```

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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