

# Converting Colors

$Y_{xy}(70.0056, 0.3039, 0.3140)$

Have a look what the booklet for  
Yxy(70.0056, 0.3039, 0.3140)  
contains.

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# Color

**Yxy(70.1469, 0.3035, 0.3138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D9E7
RGB	217, 217, 231
RGB Percent	85%, 85%, 91%
CMY	0.1491, 0.1490, 0.0942
CMYK	0.06, 0.06, 0.00, 0.09
HSL	240°, 23%, 88%
HSV	240°, 6%, 91%
XYZ	67.8444, 70.1469, 85.5488
YIQ	218.5960, -4.4940, 4.3540

# Conversions

## Conversions Part 2

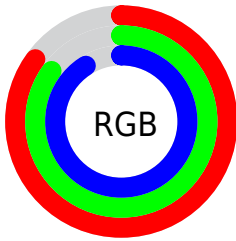
Format	Color
R <sub>Y</sub> B	217, 217, 231
Decimal	14277095
CIE Lab	87.07, 2.59, -6.85
CIE LCh	87, 7.318, 290.709
Yxy	70.1469, 0.3035, 0.3138
Android (android.graphics.Color)	4292467175 (0xFFD9D9E7)
YUV	218.5960, 6.1152, -1.3997
Hunter-Lab	83.7537, -1.9757, -1.9331

# Details

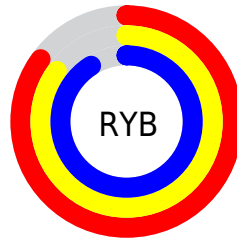
The Yxy color **70.1469, 0.3035, 0.3138** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.1149, 0.3217, 0.3438**, and the grayscale version is **70.5023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6172, 0.3015, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **55.7939, 0.2866, 0.2859**, and if you desaturate by 10%, it is **86.6594, 0.3183, 0.3382**.

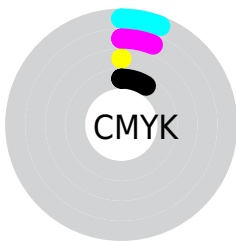
# Distribution



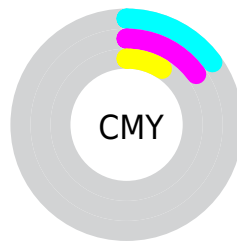
- Red (85%)
- Green (85%)
- Blue (91%)



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



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1469, 0.3035, 0.3138 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 70.1469, 0.3035, 0.3138 by changing the saturation by 10% instead.



■ 70.1469, 0.3035,  
0.3138

■ 70.1469, 0.3035,  
0.3138

461.0656, 0.3078,  
0.3208

■ 51.6463, 0.3025,  
0.3122

119.4182, 0.3050,  
0.3162

■ 36.7232, 0.3013,  
0.3102

150.9577, 0.3056,  
0.3172

■ 24.9933, 0.2997,  
0.3077

187.6123, 0.3061,  
0.3180

■ 16.0720, 0.2976,  
0.3044

229.7664, 0.3065,  
0.3187

■ 9.5751, 0.2948,  
0.2998

277.8044, 0.3069,  
0.3194

■ 5.1182, 0.2906,  
0.2933

332.1107, 0.3072,

■ 2.3168, 0.2839,

0.3199

0.2830

393.0696, 0.3075,  
0.3204

0.7826, 0.2718,  
0.2636

0.0000, 0.0000,  
0.0000

70.1469, 0.3035,  
0.3138

70.1469, 0.3035,  
0.3138

55.7939, 0.2866,  
0.2859

86.6594, 0.3183,  
0.3382

43.5026, 0.2677,  
0.2547

98.5484, 0.3268,  
0.3523

33.1812, 0.2471,  
0.2207

24.7273, 0.2255,  
0.1850

■ 18.0292, 0.2042,  
0.1498

■ 12.9637, 0.1846,  
0.1175

■ 9.3913, 0.1686,  
0.0909

■ 7.1492, 0.1574,  
0.0723

■ 6.0366, 0.1515,  
0.0625

# Harmonies

## Analogous

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



70.1469, 0.2975, 0.3155



70.1469, 0.3035, 0.3138



70.1469, 0.3121, 0.3161

# Triad

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



70.1469, 0.3035, 0.3138



70.1469, 0.3303, 0.3369



70.1469, 0.3045, 0.3365

# Complementary

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



70.1469, 0.3035, 0.3138



79.1149, 0.3217, 0.3438

# Split Complementary

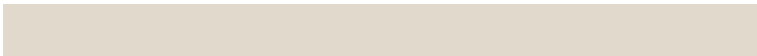
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.1469, 0.3132, 0.3424



70.1469, 0.3035, 0.3138



70.1469, 0.3282, 0.3425

# Square

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



70.1469, 0.3035, 0.3138



70.1469, 0.3277, 0.3293



70.1469, 0.3219, 0.3446



70.1469, 0.2980, 0.3285



# Rectangle

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



70.1469, 0.3035, 0.3138



70.1469, 0.3181, 0.3196



70.1469, 0.3219, 0.3446



70.1469, 0.3072, 0.3388

# Sweetspot

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



70.1499, 0.3035, 0.3138



95.8425, 0.3097, 0.3241



77.6439, 0.3035, 0.3292



20.5578, 0.3099, 0.3243



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.



70.1499, 0.3035, 0.3138



85.9314, 0.3019, 0.3112



71.1901, 0.3083, 0.3140



14.4943, 0.3011, 0.3098



3.2441, 0.1501, 0.0602



0.2418, 0.1502, 0.0606

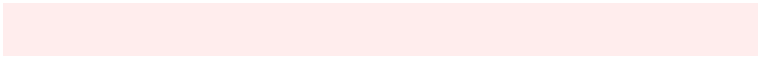


# Inverse Universe

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



71.6110, 0.3229, 0.3290



88.0411, 0.3247, 0.3290



78.0302, 0.3170, 0.3440



14.8797, 0.3256, 0.3290



9.5252, 0.6398, 0.3298

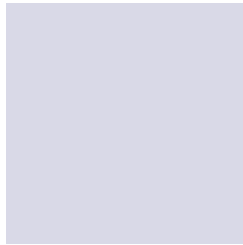


0.7041, 0.6390, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 70.1469, 0.3035, 0.3138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

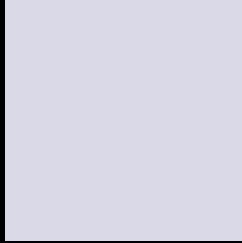
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1469, 0.3035, 0.3138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

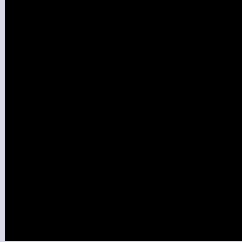
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

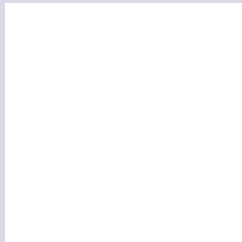
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1469, 0.3035, 0.3138**

## Background



This preview shows how black text looks on a background with the Yxy color 70.1469, 0.3035, 0.3138.

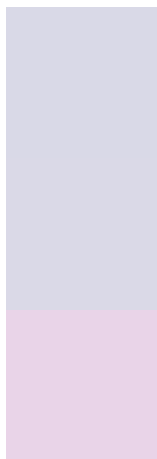


This preview shows how white text looks on a background with the Yxy color 70.1469, 0.3035, 0.3138.

# 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

70.1469, 0.3035, 0.3138

### Protanopia

70.3007, 0.3042, 0.3138

### Deuteranopia

70.2368, 0.3144, 0.3080



## Tritanopia

70.3179, 0.3016, 0.3106

# Trichromacy



## Original Color

70.1469, 0.3035, 0.3138

## Protanomaly

70.3007, 0.3042, 0.3138

## Deuteranomaly

70.2502, 0.3100, 0.3098

## Tritanomaly

70.2606, 0.3022, 0.3116

# Monochromacy



## Original Color

70.1469, 0.3035, 0.3138

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.3759, 0.3094, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1469, 0.3035, 0.3138 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(217, 217, 231)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 231)  
}
```

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(217, 217, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1469, 0.3035, 0.3138 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(217, 217, 231) }
```

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

```
.border{ border-color:rgb(217, 217, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 231);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1469, 0.3035, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 231) }
```

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

```
.background{ background-color: rgb(217,  
217, 231) }
```

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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