

# Converting Colors

$Yxy(69.7577, 0.2929, 0.3071)$

Have a look what the booklet for  
Yxy(69.7577, 0.2929, 0.3071)  
contains.

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# Color

**Yxy(69.7258, 0.2929, 0.3070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0DAEE
RGB	208, 218, 238
RGB Percent	82%, 85%, 93%
CMY	0.1843, 0.1451, 0.0665
CMYK	0.13, 0.08, 0.00, 0.07
HSL	220°, 47%, 87%
HSV	220°, 13%, 93%
XYZ	66.5234, 69.7258, 90.8707
YIQ	217.2900, -12.3800, 4.1000

# Conversions

## Conversions Part 2

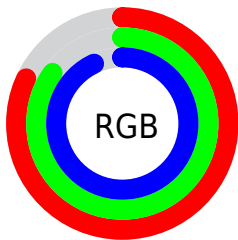
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	208, 216, 238
Decimal	13687534
CIE <sub>Lab</sub>	86.86, 0.56, -10.95
CIE <sub>LCh</sub>	87, 10.966, 272.924
Yxy	69.7258, 0.2929, 0.3070
Android (android.graphics.Color)	4291877614 (0xFFD0DAEE)
YUV	217.2900, 10.2100, -8.1473
Hunter-Lab	83.5020, -3.9231, -6.0707

# Details

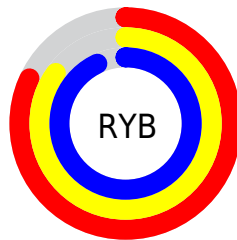
The Yxy color  $69.7258, 0.2929, 0.3070$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $78.2565, 0.3329, 0.3501$ , and the grayscale version is  $69.5364, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.3441, 0.2879, 0.3017$  is the 20% darker color. If you saturate the color by 10%, you get  $58.6835, 0.2760, 0.2872$ , and if you desaturate by 10%, it is  $82.0818, 0.3088, 0.3247$ .

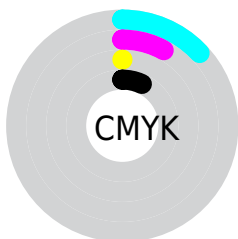
# Distribution



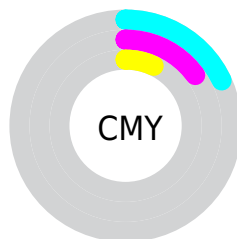
- Red (82%)
- Green (85%)
- Blue (93%)



- Red (82%)
- Yellow (85%)
- Blue (93%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (15%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7258, 0.2929, 0.3070 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 69.7258, 0.2929, 0.3070 by changing the saturation by 10% instead.



■ 69.7258, 0.2929,  
0.3070

■ 69.7258, 0.2929,  
0.3070

459.5867, 0.3021,  
0.3172

■ 51.3030, 0.2908,  
0.3047

118.8176, 0.2961,  
0.3106

■ 36.4498, 0.2882,  
0.3018

150.2555, 0.2974,  
0.3119

■ 24.7818, 0.2848,  
0.2981

186.8005, 0.2984,  
0.3131

■ 15.9146, 0.2805,  
0.2933

228.8371, 0.2994,  
0.3142

■ 9.4637, 0.2745,  
0.2867

276.7496, 0.3002,  
0.3151

■ 5.0449, 0.2659,  
0.2772

330.9224, 0.3009,

■ 2.2736, 0.2523,

0.3159

0.2623

391.7400, 0.3015,  
0.3166

0.7597, 0.2274,  
0.2349

0.0000, 0.0000,  
0.0000

69.7258, 0.2929,  
0.3070

69.7258, 0.2929,  
0.3070

58.6835, 0.2760,  
0.2872

82.0818, 0.3088,  
0.3247

48.9010, 0.2583,  
0.2652

95.6673, 0.3230,  
0.3404

40.3334, 0.2402,  
0.2414

98.9554, 0.3226,  
0.3453

32.9296, 0.2223,  
0.2163

■ 26.6345, 0.2053,  
0.1904

■ 21.3879, 0.1901,  
0.1648

■ 17.1228, 0.1773,  
0.1406

■ 13.7623, 0.1677,  
0.1189

■ 11.7886, 0.1625,  
0.1050

# Harmonies

## Analogous

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



69.7258, 0.2873, 0.3127



69.7258, 0.2929, 0.3070



69.7258, 0.3038, 0.3071

# Triad

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



69.7258, 0.2929, 0.3070



69.7258, 0.3377, 0.3340



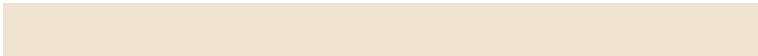
69.7258, 0.3078, 0.3462

# Complementary

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



69.7258, 0.2929, 0.3070



78.2565, 0.3329, 0.3501

# 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.



69.7258, 0.3213, 0.3520



69.7258, 0.2929, 0.3070



69.7258, 0.3388, 0.3446

# Square

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



69.7258, 0.2929, 0.3070



69.7258, 0.3298, 0.3225



69.7258, 0.3327, 0.3513



69.7258, 0.2958, 0.3355



# Rectangle

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



69.7258, 0.2929, 0.3070



69.7258, 0.3127, 0.3103



69.7258, 0.3327, 0.3513



69.7258, 0.3123, 0.3488

# Sweetspot

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



69.7287, 0.2929, 0.3070



93.8491, 0.3066, 0.3224



80.1873, 0.2992, 0.3398



19.8461, 0.3054, 0.3211



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.



69.7287, 0.2929, 0.3070



78.2314, 0.2889, 0.3024



65.4427, 0.2961, 0.2961



16.0874, 0.2980, 0.3128



6.7864, 0.1633, 0.1078



0.7406, 0.1705, 0.1339



# Inverse Universe

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



68.3643, 0.3284, 0.3185



76.4402, 0.3319, 0.3163



83.0565, 0.3281, 0.3605



15.8455, 0.3241, 0.3212



10.4784, 0.5643, 0.2882

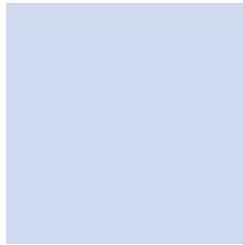


0.8895, 0.5273, 0.2679



# Previews

## White Background



This preview shows how the Yxy color 69.7258, 0.2929, 0.3070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

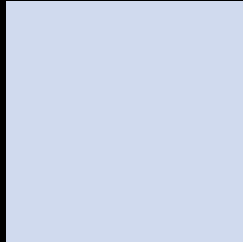
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7258, 0.2929, 0.3070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

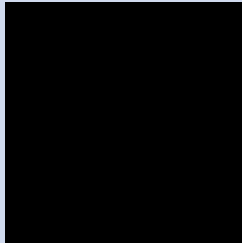
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7258, 0.2929, 0.3070**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7258, 0.2929, 0.3070.



This preview shows how white text looks on a background with the Yxy color 69.7258, 0.2929, 0.3070.

# 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

69.7258, 0.2929, 0.3070

### Protanopia

69.6732, 0.2983, 0.3062

### Deuteranopia

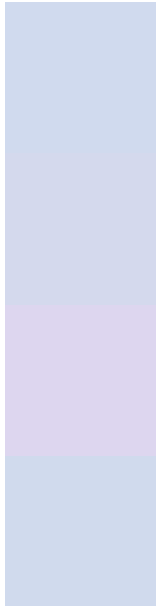
69.3145, 0.3061, 0.2994



## Tritanopia

69.6088, 0.2942, 0.3092

# Trichromacy



## Original Color

69.7258, 0.2929, 0.3070

## Protanomaly

69.7372, 0.2962, 0.3072

## Deuteranomaly

69.6973, 0.3012, 0.3022

## Tritanomaly

69.6671, 0.2935, 0.3081

# Monochromacy



## Original Color

69.7258, 0.2929, 0.3070

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.3581, 0.3053, 0.3202

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7258, 0.2929, 0.3070 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(208, 218, 238)` looks like.

```
.text, #text, p{  
    color:rgb(208, 218, 238)  
}
```

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(208, 218, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 218, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7258, 0.2929, 0.3070 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(208, 218, 238) }
```

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

```
.border{ border-color:rgb(208, 218, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 218, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 218, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 218, 238);  
box-shadow:4px 4px 4px 4px rgb(208, 218,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7258, 0.2929, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 218, 238) }
```

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

```
.background{ background-color: rgb(208,  
218, 238) }
```

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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