

# Converting Colors

Yxy(68.8885, 0.3009, 0.3121)

Have a look what the booklet for  
Yxy(68.8885, 0.3009, 0.3121)  
contains.

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# Color

**Yxy(69.0274, 0.3007, 0.3125)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5D8E7
RGB	213, 216, 231
RGB Percent	84%, 85%, 91%
CMY	0.1647, 0.1529, 0.0940
CMYK	0.08, 0.07, 0.00, 0.09
HSL	230°, 27%, 87%
HSV	230°, 8%, 91%
XYZ	66.4209, 69.0274, 85.4394
YIQ	216.8130, -6.6030, 4.0290

# Conversions

## Conversions Part 2

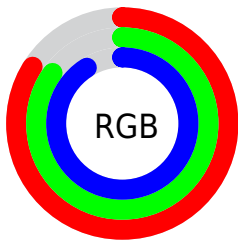
Format	Color
R <sub>Y</sub> B	213, 216, 231
Decimal	14014695
CIE Lab	86.52, 1.82, -7.72
CIE LCh	87, 7.928, 283.246
Yxy	69.0274, 0.3007, 0.3125
Android (android.graphics.Color)	4292204775 (0xFFD5D8E7)
YUV	216.8130, 6.9942, -3.3440
Hunter-Lab	83.0827, -2.6920, -2.8138

# Details

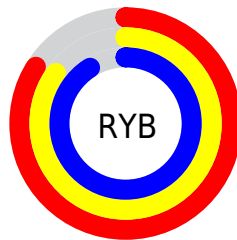
The Yxy color  $69.0274, 0.3007, 0.3125$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $77.2893, 0.3246, 0.3450$ , and the grayscale version is  $69.2097, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.8540, 0.2979, 0.3088$  is the 20% darker color. If you saturate the color by 10%, you get  $56.5281, 0.2839, 0.2889$ , and if you desaturate by 10%, it is  $83.1795, 0.3159, 0.3333$ .

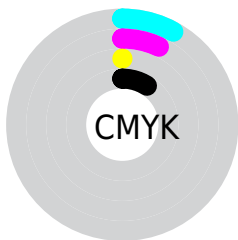
# Distribution



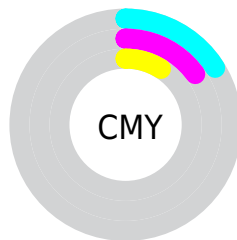
- Red (84%)
- Green (85%)
- Blue (91%)



- Red (84%)
- Yellow (85%)
- Blue (91%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0274, 0.3007, 0.3125 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 69.0274, 0.3007, 0.3125 by changing the saturation by 10% instead.



■ 69.0274, 0.3007,  
0.3125

■ 69.0274, 0.3007,  
0.3125

457.1276, 0.3063,  
0.3202

■ 50.7340, 0.2994,  
0.3107

117.8207, 0.3027,  
0.3152

■ 35.9970, 0.2978,  
0.3086

149.0894, 0.3034,  
0.3162

■ 24.4319, 0.2957,  
0.3058

185.4521, 0.3041,  
0.3171

■ 15.6543, 0.2930,  
0.3021

227.2930, 0.3046,  
0.3179

■ 9.2799, 0.2893,  
0.2972

274.9966, 0.3051,  
0.3186

■ 4.9242, 0.2838,  
0.2899

328.9473, 0.3056,

■ 2.2028, 0.2751,

0.3192

0.2785

389.5295, 0.3060,  
0.3197

0.7215, 0.2586,  
0.2555

0.0000, 0.0000,  
0.0000

69.0274, 0.3007,  
0.3125

69.0274, 0.3007,  
0.3125

56.5281, 0.2839,  
0.2889

83.1795, 0.3159,  
0.3333

45.6123, 0.2656,  
0.2625

98.2277, 0.3268,  
0.3517

36.2189, 0.2462,  
0.2337

98.5508, 0.3268,  
0.3522

28.2795, 0.2262,  
0.2032

■ 21.7201, 0.2067,  
0.1720

■ 16.4603, 0.1887,  
0.1419

■ 12.4110, 0.1735,  
0.1147

■ 9.4712, 0.1620,  
0.0922

■ 7.5174, 0.1548,  
0.0758

# Harmonies

## Analogous

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



69.0274, 0.2951, 0.3154



69.0274, 0.3007, 0.3125



69.0274, 0.3096, 0.3140

# Triad

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



69.0274, 0.3007, 0.3125



69.0274, 0.3316, 0.3356



69.0274, 0.3059, 0.3390

# Complementary

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



69.0274, 0.3007, 0.3125



77.2893, 0.3246, 0.3450

# 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.



69.0274, 0.3157, 0.3447



69.0274, 0.3007, 0.3125



69.0274, 0.3306, 0.3425

# Square

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



69.0274, 0.3007, 0.3125



69.0274, 0.3275, 0.3271



69.0274, 0.3247, 0.3459



69.0274, 0.2981, 0.3307



# Rectangle

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



69.0274, 0.3007, 0.3125



69.0274, 0.3162, 0.3172



69.0274, 0.3247, 0.3459



69.0274, 0.3091, 0.3413

# Sweetspot

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



69.0303, 0.3007, 0.3125



96.3649, 0.3097, 0.3249



76.8951, 0.3027, 0.3326



20.6642, 0.3099, 0.3251



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.



69.0303, 0.3007, 0.3125



84.3076, 0.2987, 0.3097



68.3704, 0.3048, 0.3094



14.2741, 0.2980, 0.3088



4.1535, 0.1542, 0.0749



0.4239, 0.1608, 0.0988



# Inverse Universe

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



69.5363, 0.3240, 0.3258



85.0507, 0.3260, 0.3253



78.0259, 0.3203, 0.3483



14.4071, 0.3266, 0.3251



9.6170, 0.6152, 0.3162

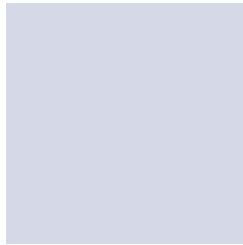


0.7225, 0.5777, 0.2956



# Previews

## White Background



This preview shows how the Yxy color 69.0274, 0.3007, 0.3125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

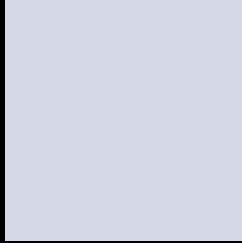
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0274, 0.3007, 0.3125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

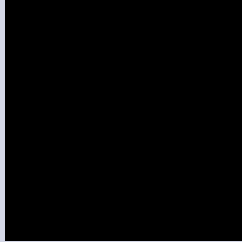
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0274, 0.3007, 0.3125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0274, 0.3007, 0.3125.

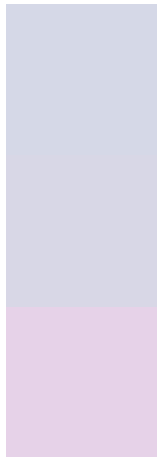


This preview shows how white text looks on a background with the Yxy color 69.0274, 0.3007, 0.3125.

# 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

69.0274, 0.3007, 0.3125

### Protanopia

68.9130, 0.3035, 0.3126

### Deuteranopia

68.7424, 0.3123, 0.3057



## Tritanopia

69.1411, 0.2994, 0.3104

# Trichromacy



## Original Color

69.0274, 0.3007, 0.3125

## Protanomaly

68.7611, 0.3028, 0.3126

## Deuteranomaly

68.7605, 0.3079, 0.3075

## Tritanomaly

69.0841, 0.3001, 0.3114

# Monochromacy



## Original Color

69.0274, 0.3007, 0.3125

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.4986, 0.3087, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0274, 0.3007, 0.3125 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(213, 216, 231)` looks like.

```
.text, #text, p{  
    color:rgb(213, 216, 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(213, 216, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 216, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0274, 0.3007, 0.3125 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(213, 216, 231) }
```

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

```
.border{ border-color:rgb(213, 216, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 216, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 216, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 216, 231);  
box-shadow:4px 4px 4px 4px rgb(213, 216,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0274, 0.3007, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 216, 231) }
```

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

```
.background{ background-color: rgb(213,  
216, 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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