

# Converting Colors

Yxy(66.8986, 0.2936, 0.3182)

Have a look what the booklet for  
Yxy(66.8986, 0.2936, 0.3182)  
contains.

<b>Yxy(67.1225, 0.2936, 0.3187)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.1225, 0.2936, 0.3187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D9E2
RGB	198, 217, 226
RGB Percent	78%, 85%, 89%
CMY	0.2234, 0.1490, 0.1137
CMYK	0.12, 0.04, 0.00, 0.11
HSL	199°, 33%, 83%
HSV	199°, 12%, 89%
XYZ	61.8361, 67.1225, 81.6548
YIQ	212.3450, -14.2130, -1.2290

# Conversions

## Conversions Part 2

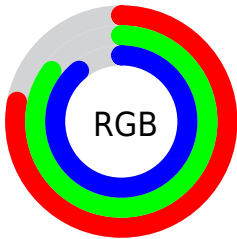
Format	Color
R <sub>Y</sub> B	198, 209, 226
Decimal	13031906
CIE Lab	85.57, -4.53, -6.59
CIE LCh	86, 8.002, 235.483
Yxy	67.1225, 0.2936, 0.3187
Android (android.graphics.Color)	4291221986 (0xFFC6D9E2)
YUV	212.3450, 6.7319, -12.5806
Hunter-Lab	81.9283, -8.6502, -1.7423

# Details

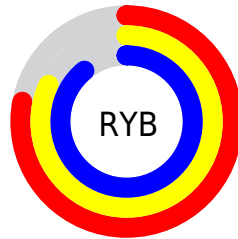
The Yxy color **67.1225, 0.2936, 0.3187** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.8980, 0.3338, 0.3391**, and the grayscale version is **66.0464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.7102, 0.2887, 0.3154** is the 20% darker color. If you saturate the color by 10%, you get **60.6073, 0.2781, 0.3094**, and if you desaturate by 10%, it is **74.2673, 0.3091, 0.3271**.

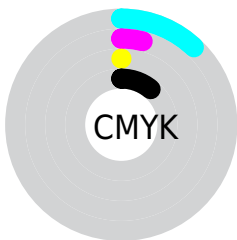
# Distribution



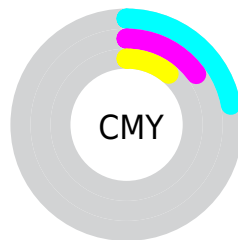
- Red (78%)
- Green (85%)
- Blue (89%)



- Red (78%)
- Yellow (82%)
- Blue (89%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (15%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1225, 0.2936, 0.3187 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 67.1225, 0.2936, 0.3187 by changing the saturation by 10% instead.



■ 67.1225, 0.2936,  
0.3187

■ 67.1225, 0.2936,  
0.3187

450.3807, 0.3025,  
0.3236

■ 49.1842, 0.2915,  
0.3175

115.0959, 0.2967,  
0.3204

■ 34.7656, 0.2890,  
0.3161

145.8998, 0.2979,  
0.3211

■ 23.4824, 0.2857,  
0.3143

181.7610, 0.2990,  
0.3217

■ 14.9501, 0.2814,  
0.3118

223.0640, 0.2999,  
0.3221

■ 8.7844, 0.2755,  
0.3084

270.1930, 0.3007,  
0.3226

■ 4.6008, 0.2669,  
0.3032

323.5325, 0.3014,

■ 2.0150, 0.2530,

0.3230

0.2947

383.4670, 0.3020,  
0.3233

0.6162, 0.2127,  
0.2760

0.0000, 0.0000,  
0.0000

67.1225, 0.2936,  
0.3187

67.1225, 0.2936,  
0.3187

60.6073, 0.2781,  
0.3094

74.2673, 0.3091,  
0.3271

54.6909, 0.2630,  
0.2993

82.0543, 0.3243,  
0.3347

49.3523, 0.2485,  
0.2884

88.3927, 0.3316,  
0.3417

44.5656, 0.2350,  
0.2769

92.7395, 0.3308,  
0.3487

■ 40.3027, 0.2229,  
0.2649

■ 97.2600, 0.3299,  
0.3557

■ 36.5323, 0.2125,  
0.2525

■ 98.2716, 0.3297,  
0.3572

■ 33.2184, 0.2041,  
0.2401

■ 30.3184, 0.1978,  
0.2279

■ 28.3350, 0.1941,  
0.2187

# Harmonies

## Analogous

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



67.1225, 0.2956, 0.3270



67.1225, 0.2936, 0.3187



67.1225, 0.2966, 0.3134

# Triad

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



67.1225, 0.2936, 0.3187



67.1225, 0.3233, 0.3222



67.1225, 0.3214, 0.3463

# Complementary

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



67.1225, 0.2936, 0.3187



64.8980, 0.3338, 0.3391

# 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.



67.1225, 0.3290, 0.3447



67.1225, 0.2936, 0.3187



67.1225, 0.3301, 0.3307

# Square

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



67.1225, 0.2936, 0.3187



67.1225, 0.3136, 0.3155



67.1225, 0.3322, 0.3389



67.1225, 0.3116, 0.3431



# Rectangle

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



67.1225, 0.2936, 0.3187



67.1225, 0.3011, 0.3122



67.1225, 0.3322, 0.3389



67.1225, 0.3243, 0.3463

# Sweetspot

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



67.1253, 0.2936, 0.3187



96.0374, 0.3065, 0.3258



70.9084, 0.3056, 0.3509



20.3997, 0.3054, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

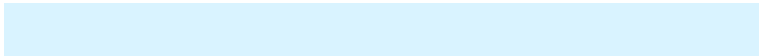


# Same Dimension

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



67.1253, 0.2936, 0.3187



85.8404, 0.2894, 0.3163



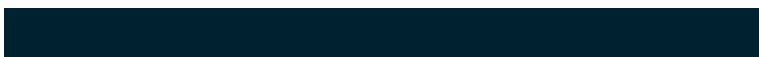
60.2904, 0.2932, 0.3026



14.7887, 0.2982, 0.3213



16.3873, 0.1946, 0.2206



1.2959, 0.1998, 0.2393



# Inverse Universe

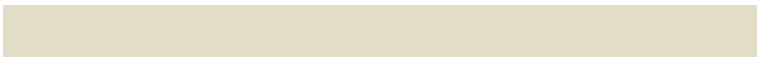
The Inverse Universe completely reimagines the original color for something new.



61.5832, 0.3207, 0.3082



77.2084, 0.3227, 0.3034



71.8994, 0.3319, 0.3541



13.8566, 0.3187, 0.3132



10.5623, 0.4226, 0.2102

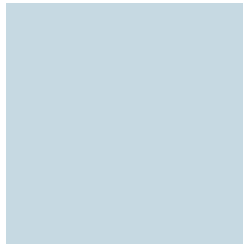


0.7483, 0.4031, 0.1994



# Previews

## White Background



This preview shows how the Yxy color 67.1225, 0.2936, 0.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

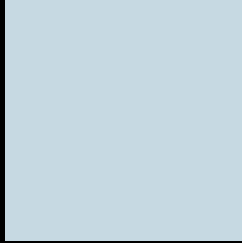
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1225, 0.2936, 0.3187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

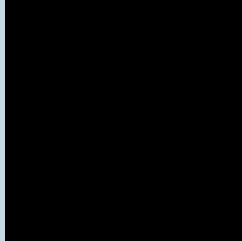
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

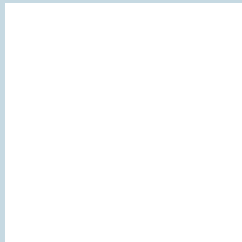
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.1225, 0.2936, 0.3187**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1225, 0.2936, 0.3187.

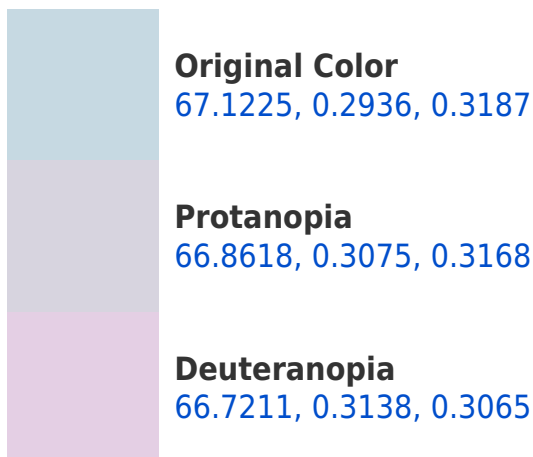


This preview shows how white text looks on a background with the Yxy color 67.1225, 0.2936, 0.3187.

# 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

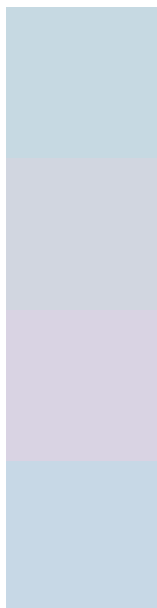




## Tritanopia

67.1370, 0.2899, 0.3098

# Trichromacy



## Original Color

67.1225, 0.2936, 0.3187

## Protanomaly

67.0303, 0.3025, 0.3178

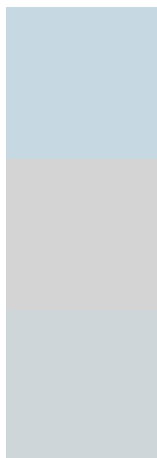
## Deuteranomaly

66.8863, 0.3062, 0.3114

## Tritanomaly

66.9670, 0.2917, 0.3131

# Monochromacy



## Original Color

67.1225, 0.2936, 0.3187

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.3683, 0.3056, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1225, 0.2936, 0.3187 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(198, 217, 226)` looks like.

```
.text, #text, p{  
    color:rgb(198, 217, 226)  
}
```

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(198, 217, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 217, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1225, 0.2936, 0.3187 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(198, 217, 226) }
```

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

```
.border{ border-color:rgb(198, 217, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 217, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 217, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 217, 226);  
box-shadow:4px 4px 4px 4px rgb(198, 217,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1225, 0.2936, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 217, 226) }
```

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

```
.background{ background-color: rgb(198,  
217, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor