

Converting Colors

Yxy(67.9871, 0.2937, 0.3191)

Have a look what the booklet for
Yxy(67.9871, 0.2937, 0.3191)
contains.

Yxy(67.8310, 0.2937, 0.3188)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8310, 0.2937, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	C7DAE3
RGB	199, 218, 227
RGB Percent	78%, 85%, 89%
CMY	0.2195, 0.1451, 0.1099
CMYK	0.12, 0.04, 0.00, 0.11
HSL	199°, 33%, 84%
HSV	199°, 12%, 89%
XYZ	62.4905, 67.8310, 82.4483
YIQ	213.3450, -14.2130, -1.2290

Conversions

Conversions Part 2

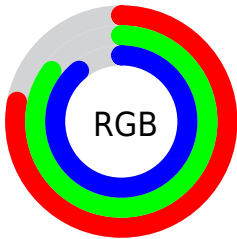
Format	Color
R _Y B	199, 210, 227
Decimal	13097699
CIE Lab	85.92, -4.55, -6.57
CIE LCh	86, 7.986, 235.301
Yxy	67.8310, 0.2937, 0.3188
Android (android.graphics.Color)	4291287779 (0xFFC7DAE3)
YUV	213.3450, 6.7319, -12.5806
Hunter-Lab	82.3596, -8.6921, -1.7022

Details

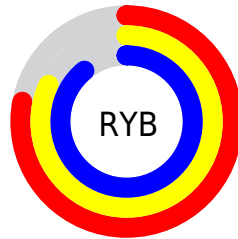
The Yxy color **67.8310, 0.2937, 0.3188** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.5575, 0.3337, 0.3390**, and the grayscale version is **66.7466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1927, 0.2889, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **61.2622, 0.2782, 0.3096**, and if you desaturate by 10%, it is **75.0345, 0.3092, 0.3272**.

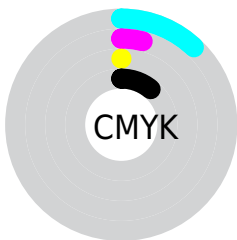
Distribution



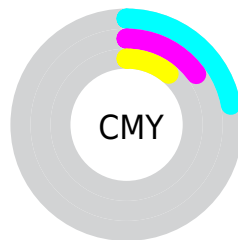
- Red (78%)
- Green (85%)
- Blue (89%)



- 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 67.8310, 0.2937, 0.3188 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 67.8310, 0.2937, 0.3188 by changing the saturation by 10% instead.

■ 67.8310, 0.2937,
0.3188

■ 67.8310, 0.2937,
0.3188

452.8970, 0.3026,
0.3236

■ 49.7603, 0.2917,
0.3177

116.1103, 0.2968,
0.3205

■ 35.2229, 0.2891,
0.3162

147.0877, 0.2980,
0.3212

■ 23.8347, 0.2859,
0.3144

183.1361, 0.2990,
0.3217

■ 15.2110, 0.2817,
0.3120

224.6399, 0.2999,
0.3222

■ 8.9676, 0.2758,
0.3086

271.9835, 0.3007,
0.3226

■ 4.7201, 0.2673,
0.3036

325.5513, 0.3014,

■ 2.0840, 0.2538,

0.3230

0.2953

385.7277, 0.3020,
0.3233

0.6556, 0.2174,
0.2783

0.0000, 0.0000,
0.0000

67.8310, 0.2937,
0.3188

67.8310, 0.2937,
0.3188

61.2622, 0.2782,
0.3096

75.0345, 0.3092,
0.3272

55.2970, 0.2631,
0.2995

82.8854, 0.3244,
0.3347

49.9142, 0.2486,
0.2887

89.0360, 0.3309,
0.3417

45.0878, 0.2351,
0.2772

93.4067, 0.3301,
0.3488

■ 40.7893, 0.2230,
0.2652

■ 97.9513, 0.3292,
0.3557

■ 36.9872, 0.2126,
0.2529

■ 98.3243, 0.3292,
0.3562

■ 33.6452, 0.2043,
0.2406

■ 30.7203, 0.1979,
0.2284

■ 28.7032, 0.1942,
0.2191

Harmonies

Analogous

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



67.8310, 0.2958, 0.3270



67.8310, 0.2937, 0.3188



67.8310, 0.2966, 0.3135

Triad

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



67.8310, 0.2937, 0.3188



67.8310, 0.3231, 0.3222



67.8310, 0.3214, 0.3462

Complementary

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



67.8310, 0.2937, 0.3188



65.5575, 0.3337, 0.3390

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.



67.8310, 0.3290, 0.3446



67.8310, 0.2937, 0.3188



67.8310, 0.3300, 0.3306

Square

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



67.8310, 0.2937, 0.3188



67.8310, 0.3136, 0.3155



67.8310, 0.3321, 0.3388



67.8310, 0.3117, 0.3431

Rectangle

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



67.8310, 0.2937, 0.3188



67.8310, 0.3011, 0.3122



67.8310, 0.3321, 0.3388



67.8310, 0.3243, 0.3462

Sweetspot

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



67.8338, 0.2937, 0.3188



96.0462, 0.3065, 0.3258



71.6142, 0.3056, 0.3508



20.4019, 0.3054, 0.3252



0.0000, 0.0000, 0.0000



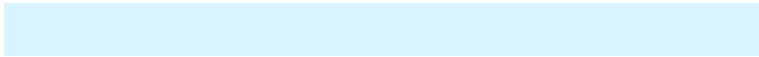
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8338, 0.2937, 0.3188



85.8715, 0.2894, 0.3163



60.9456, 0.2933, 0.3028



15.5157, 0.2981, 0.3213



16.9645, 0.1947, 0.2209



1.4198, 0.1996, 0.2386

Inverse Universe

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



62.2459, 0.3207, 0.3083



77.2115, 0.3227, 0.3034



72.6109, 0.3318, 0.3539



14.5324, 0.3187, 0.3132



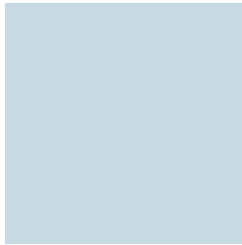
10.9103, 0.4222, 0.2100



0.8230, 0.4038, 0.1998

Previews

White Background



This preview shows how the Yxy color 67.8310, 0.2937, 0.3188 looks on a white background.

Color Contrast Check

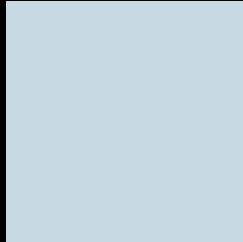
Large Text (above 18pt) WCAG AA × Fail

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 67.8310, 0.2937, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

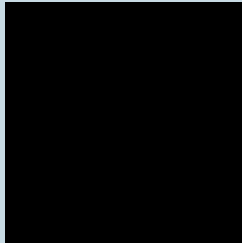
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

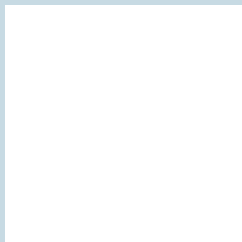
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8310, 0.2937, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 67.8310, 0.2937, 0.3188.

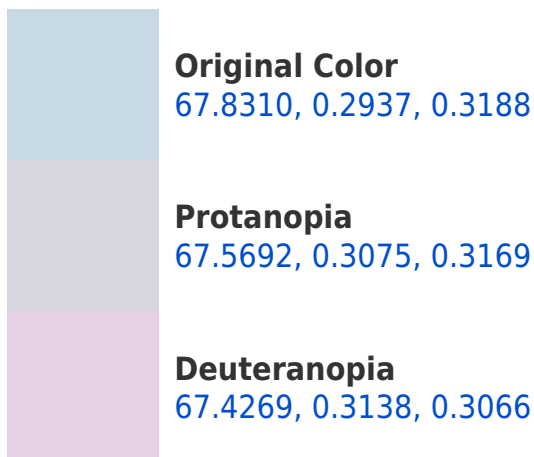


This preview shows how white text looks on a background with the Yxy color 67.8310, 0.2937, 0.3188.

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

67.8456, 0.2900, 0.3099

Trichromacy



Original Color

67.8310, 0.2937, 0.3188

Protanomaly

67.7388, 0.3025, 0.3178

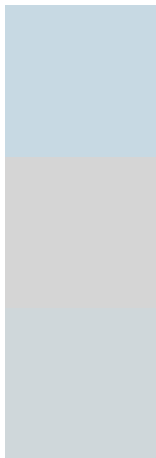
Deuteranomaly

67.5938, 0.3063, 0.3115

Tritanomaly

67.6746, 0.2918, 0.3132

Monochromacy



Original Color

67.8310, 0.2937, 0.3188

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.0727, 0.3057, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8310, 0.2937, 0.3188 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(199, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(199, 218, 227)  
}
```

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(199, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 218, 227) }
```

Border

The CSS property to change the border of an element to Yxy 67.8310, 0.2937, 0.3188 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(199, 218, 227) }
```

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

```
.border{ border-color:rgb(199, 218, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(199, 218,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8310, 0.2937, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 218, 227) }
```

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

```
.background{ background-color: rgb(199,  
218, 227) }
```

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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