

Converting Colors

Yxy(67.8449, 0.2990, 0.3211)

Have a look what the booklet for
Yxy(67.8449, 0.2990, 0.3211)
contains.

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Color

Yxy(67.8449, 0.2990, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	CCD9E0
RGB	204, 217, 224
RGB Percent	80%, 85%, 88%
CMY	0.1998, 0.1490, 0.1217
CMYK	0.09, 0.03, 0.00, 0.12
HSL	201°, 24%, 84%
HSV	201°, 9%, 88%
XYZ	63.1754, 67.8449, 80.2687
YIQ	213.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

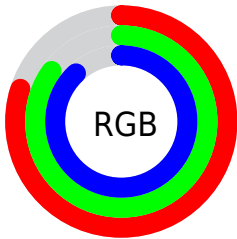
Format	Color
RYB	204, 212, 224
Decimal	13425120
CIELab	85.93, -2.99, -4.93
CIELCh	86, 5.770, 238.750
Yxy	67.8449, 0.2990, 0.3211
Android (android.graphics.Color)	4291615200 (0xFFCCD9E0)
YUV	213.9110, 4.9739, -8.6919
Hunter-Lab	82.3680, -7.2364, -0.1213

Details

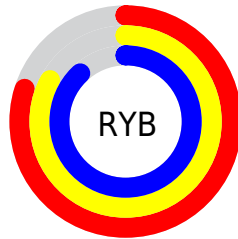
The Yxy color **67.8449, 0.2990, 0.3211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8069, 0.3274, 0.3368**, and the grayscale version is **67.1583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1893, 0.2957, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **60.9578, 0.2834, 0.3113**, and if you desaturate by 10%, it is **75.3851, 0.3144, 0.3299**.

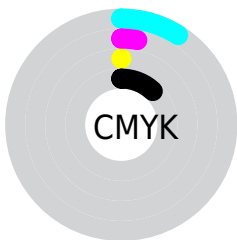
Distribution



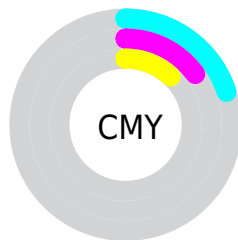
- Red (80%)
- Green (85%)
- Blue (88%)



- Red (80%)
- Yellow (83%)
- Blue (88%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8449, 0.2990, 0.3211 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 67.8449, 0.2990, 0.3211 by changing the saturation by 10% instead.

■ 67.8449, 0.2990,
0.3211

■ 67.8449, 0.2990,
0.3211

452.9463, 0.3054,
0.3248

■ 49.7716, 0.2975,
0.3202

116.1302, 0.3012,
0.3224

■ 35.2319, 0.2957,
0.3191

147.1110, 0.3021,
0.3229

■ 23.8416, 0.2933,
0.3177

183.1631, 0.3028,
0.3234

■ 15.2161, 0.2903,
0.3159

224.6708, 0.3035,
0.3237

■ 8.9712, 0.2860,
0.3133

272.0186, 0.3041,
0.3241

■ 4.7224, 0.2798,
0.3095

325.5908, 0.3046,

■ 2.0853, 0.2698,

0.3243

0.3032

385.7719, 0.3050,
0.3246

0.6564, 0.2426,
0.2892

0.0000, 0.0000,
0.0000

67.8449, 0.2990,
0.3211

67.8449, 0.2990,
0.3211

60.9578, 0.2834,
0.3113

75.3851, 0.3144,
0.3299

54.6932, 0.2680,
0.3006

83.5907, 0.3294,
0.3378

49.0307, 0.2530,
0.2890

89.2731, 0.3327,
0.3454

43.9450, 0.2388,
0.2766

94.0059, 0.3318,
0.3529

■ 39.4089, 0.2257,
0.2636

■ 98.1605, 0.3310,
0.3592

■ 35.3921, 0.2143,
0.2502

■ 31.8608, 0.2048,
0.2367

■ 28.7752, 0.1973,
0.2232

■ 26.0755, 0.1918,
0.2100

Harmonies

Analogous

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



67.8449, 0.3001, 0.3269



67.8449, 0.2990, 0.3211



67.8449, 0.3015, 0.3175

Triad

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



67.8449, 0.2990, 0.3211



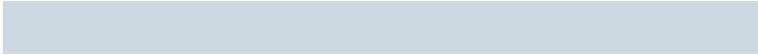
67.8449, 0.3210, 0.3247



67.8449, 0.3183, 0.3413

Complementary

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



67.8449, 0.2990, 0.3211



66.8069, 0.3274, 0.3368

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.



67.8449, 0.3240, 0.3406



67.8449, 0.2990, 0.3211



67.8449, 0.3255, 0.3309

Square

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



67.8449, 0.2990, 0.3211



67.8449, 0.3142, 0.3197



67.8449, 0.3266, 0.3367



67.8449, 0.3112, 0.3386

Rectangle

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



67.8449, 0.2990, 0.3211



67.8449, 0.3050, 0.3168



67.8449, 0.3266, 0.3367



67.8449, 0.3204, 0.3414

Sweetspot

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



67.8478, 0.2990, 0.3211



96.8802, 0.3081, 0.3264



70.8465, 0.3072, 0.3437



20.5608, 0.3068, 0.3257



0.0000, 0.0000, 0.0000



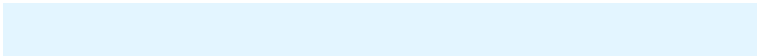
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8478, 0.2990, 0.3211



88.9538, 0.2956, 0.3191



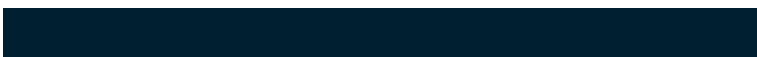
62.8671, 0.2990, 0.3097



14.7221, 0.2982, 0.3206



15.2404, 0.1918, 0.2105



1.2224, 0.1975, 0.2309

Inverse Universe

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



64.0605, 0.3187, 0.3148



82.7741, 0.3203, 0.3112



71.9111, 0.3262, 0.3476



13.8498, 0.3191, 0.3139



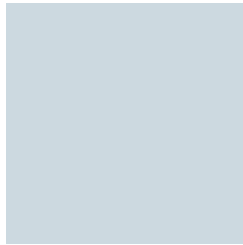
10.4466, 0.4335, 0.2162



0.7409, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 67.8449, 0.2990, 0.3211 looks on a white background.

Color Contrast Check

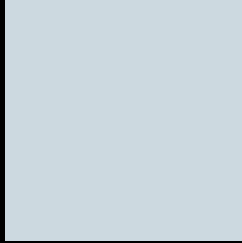
Large Text (above 18pt) WCAG AA × Fail

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 67.8449, 0.2990, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

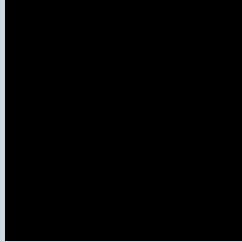
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

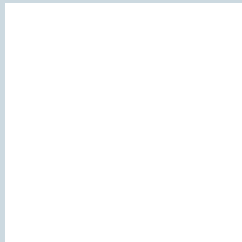
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8449, 0.2990, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 67.8449, 0.2990, 0.3211.

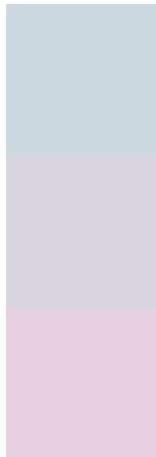


This preview shows how white text looks on a background with the Yxy color 67.8449, 0.2990, 0.3211.

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

67.8449, 0.2990, 0.3211

Protanopia

67.4614, 0.3088, 0.3190

Deuteranopia

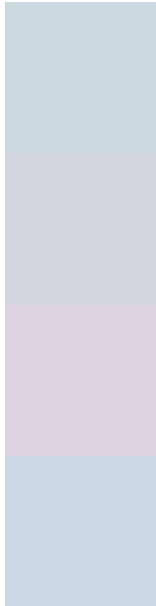
67.4257, 0.3166, 0.3098



Tritanopia

68.1167, 0.2946, 0.3101

Trichromacy



Original Color

67.8449, 0.2990, 0.3211

Protanomaly

67.4179, 0.3052, 0.3190

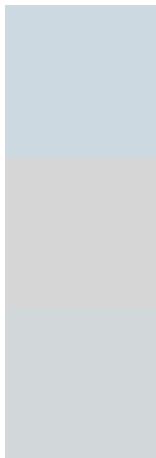
Deuteranomaly

67.3969, 0.3105, 0.3137

Tritanomaly

67.8040, 0.2958, 0.3133

Monochromacy



Original Color

67.8449, 0.2990, 0.3211

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3645, 0.3071, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8449, 0.2990, 0.3211 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(204, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 217, 224)  
}
```

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(204, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 217, 224) }
```

Border

The CSS property to change the border of an element to Yxy 67.8449, 0.2990, 0.3211 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(204, 217, 224) }
```

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

```
.border{ border-color:rgb(204, 217, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 217,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8449, 0.2990, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 217, 224) }
```

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

```
.background{ background-color: rgb(204,  
217, 224) }
```

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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