

Converting Colors

$Yxy(68.5054, 0.2993, 0.3211)$

Have a look what the booklet for
Yxy(68.5054, 0.2993, 0.3211)
contains.

Yxy(68.5582, 0.2990, 0.3211)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.5582, 0.2990, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	CDDAE1
RGB	205, 218, 225
RGB Percent	80%, 85%, 88%
CMY	0.1961, 0.1451, 0.1176
CMYK	0.09, 0.03, 0.00, 0.12
HSL	201°, 25%, 84%
HSV	201°, 9%, 88%
XYZ	63.8396, 68.5582, 81.1126
YIQ	214.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

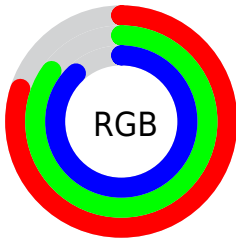
Format	Color
RYB	205, 213, 225
Decimal	13490913
CIELab	86.28, -3.00, -4.95
CIELCh	86, 5.790, 238.750
Yxy	68.5582, 0.2990, 0.3211
Android (android.graphics.Color)	4291680993 (0xFFCDDAE1)
YUV	214.9110, 4.9739, -8.6919
Hunter-Lab	82.7999, -7.2743, -0.1219

Details

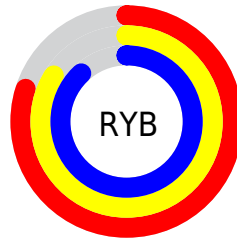
The Yxy color **68.5582, 0.2990, 0.3211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5093, 0.3274, 0.3368**, and the grayscale version is **67.8644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6760, 0.2958, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **61.5968, 0.2834, 0.3113**, and if you desaturate by 10%, it is **76.1799, 0.3144, 0.3299**.

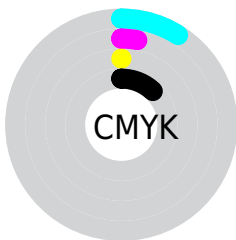
Distribution



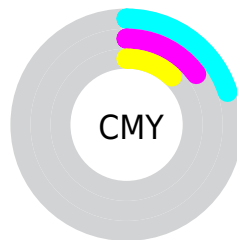
- Red (80%)
- Green (85%)
- Blue (88%)



- Red (80%)
- Yellow (84%)
- 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 68.5582, 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 68.5582, 0.2990, 0.3211 by changing the saturation by 10% instead.

■ 68.5582, 0.2990,
0.3211

■ 68.5582, 0.2990,
0.3211

455.4712, 0.3054,
0.3248

■ 50.3520, 0.2975,
0.3202

117.1503, 0.3012,
0.3224

■ 35.6932, 0.2957,
0.3191

148.3050, 0.3021,
0.3229

■ 24.1973, 0.2934,
0.3178

184.5447, 0.3028,
0.3233

■ 15.4801, 0.2903,
0.3159

226.2537, 0.3035,
0.3237

■ 9.1570, 0.2861,
0.3134

273.8165, 0.3041,
0.3241

■ 4.8437, 0.2799,
0.3096

327.6174, 0.3046,

■ 2.1559, 0.2701,

0.3243

0.3034

388.0408, 0.3050,
0.3246

0.6958, 0.2456,
0.2906

0.0000, 0.0000,
0.0000

68.5582, 0.2990,
0.3211

68.5582, 0.2990,
0.3211

61.5968, 0.2834,
0.3113

76.1799, 0.3144,
0.3299

55.2650, 0.2680,
0.3006

84.4742, 0.3294,
0.3378

49.5417, 0.2530,
0.2890

89.9920, 0.3319,
0.3454

44.4017, 0.2387,
0.2766

94.7760, 0.3310,
0.3530

■ 39.8173, 0.2257,
0.2636

■ 98.2171, 0.3303,
0.3581

■ 35.7580, 0.2143,
0.2502

■ 32.1894, 0.2048,
0.2366

■ 29.0714, 0.1973,
0.2231

■ 26.3436, 0.1918,
0.2100

Harmonies

Analogous

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



68.5582, 0.3001, 0.3269



68.5582, 0.2990, 0.3211



68.5582, 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.



68.5582, 0.2990, 0.3211



68.5582, 0.3210, 0.3247



68.5582, 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.



68.5582, 0.2990, 0.3211



67.5093, 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.



68.5582, 0.3240, 0.3406



68.5582, 0.2990, 0.3211



68.5582, 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.



68.5582, 0.2990, 0.3211



68.5582, 0.3142, 0.3197



68.5582, 0.3266, 0.3367



68.5582, 0.3112, 0.3386

Rectangle

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



68.5582, 0.2990, 0.3211



68.5582, 0.3050, 0.3168



68.5582, 0.3266, 0.3367



68.5582, 0.3204, 0.3414

Sweetspot

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



68.5611, 0.2990, 0.3211



96.8802, 0.3081, 0.3264



71.5914, 0.3072, 0.3437



20.5608, 0.3068, 0.3257



0.0000, 0.0000, 0.0000



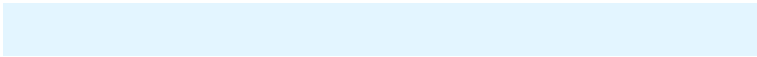
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5611, 0.2990, 0.3211



88.9538, 0.2956, 0.3191



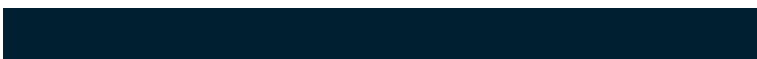
63.5280, 0.2990, 0.3097



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.



64.7340, 0.3187, 0.3148



82.7741, 0.3203, 0.3112



72.6672, 0.3262, 0.3476



13.8498, 0.3191, 0.3139



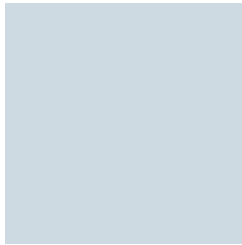
10.4466, 0.4335, 0.2162



0.7409, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 68.5582, 0.2990, 0.3211 looks on a white background.

Color Contrast Check

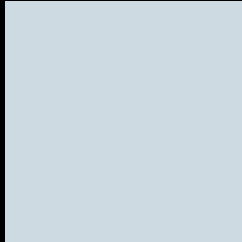
Large Text (above 18pt) WCAG AA × Fail

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 68.5582, 0.2990, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

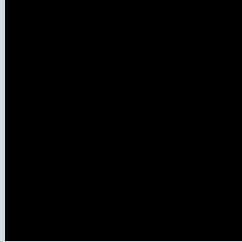
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

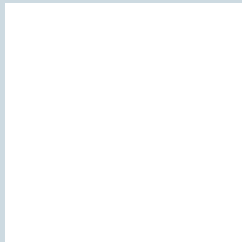
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5582, 0.2990, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 68.5582, 0.2990, 0.3211.

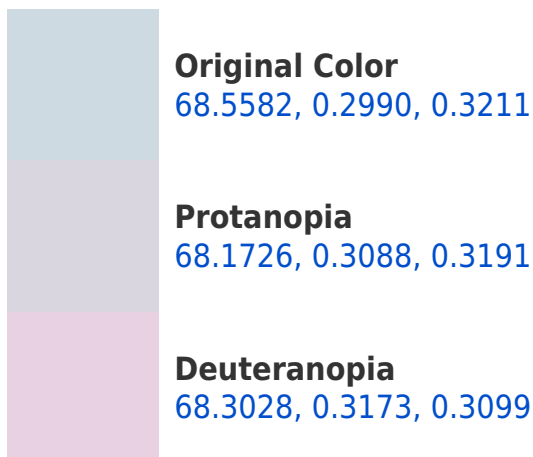


This preview shows how white text looks on a background with the Yxy color 68.5582, 0.2990, 0.3211.

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

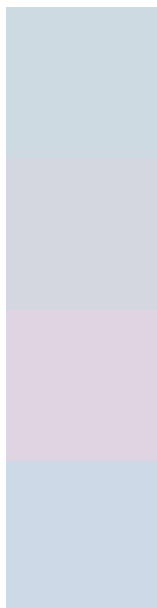




Tritanopia

68.6880, 0.2940, 0.3101

Trichromacy



Original Color

68.5582, 0.2990, 0.3211

Protanomaly

68.1288, 0.3053, 0.3190

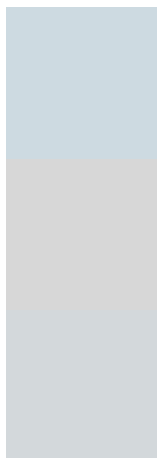
Deuteranomaly

68.1075, 0.3105, 0.3138

Tritanomaly

68.5170, 0.2959, 0.3134

Monochromacy



Original Color

68.5582, 0.2990, 0.3211

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0751, 0.3071, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5582, 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(205, 218, 225)` looks like.

```
.text, #text, p{  
    color:rgb(205, 218, 225)  
}
```

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(205, 218, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 218, 225) }
```

Border

The CSS property to change the border of an element to Yxy 68.5582, 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(205, 218, 225) }
```

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

```
.border{ border-color:rgb(205, 218, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 218, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 218, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 218, 225);  
box-shadow:4px 4px 4px 4px rgb(205, 218,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5582, 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(205, 218, 225) }
```

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

```
.background{ background-color: rgb(205,  
218, 225) }
```

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