

Converting Colors

$Y_{xy}(65.6675, 0.2970, 0.3110)$

Have a look what the booklet for
Yxy(65.6675, 0.2970, 0.3110)
contains.

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Color

Yxy(65.6675, 0.2970, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	CDD4E4
RGB	205, 212, 228
RGB Percent	80%, 83%, 89%
CMY	0.1963, 0.1685, 0.1059
CMYK	0.10, 0.07, 0.00, 0.11
HSL	222°, 30%, 85%
HSV	222°, 10%, 89%
XYZ	62.7114, 65.6675, 82.7706
YIQ	211.7310, -9.3080, 3.4920

Conversions

Conversions Part 2

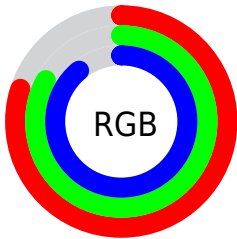
Format	Color
R _Y B	205, 210, 228
Decimal	13489380
CIE Lab	84.83, 0.69, -8.69
CIE LCh	85, 8.719, 274.519
Yxy	65.6675, 0.2970, 0.3110
Android (android.graphics.Color)	4291679460 (0xFFCDD4E4)
YUV	211.7310, 8.0206, -5.9031
Hunter-Lab	81.0355, -3.6753, -3.8347

Details

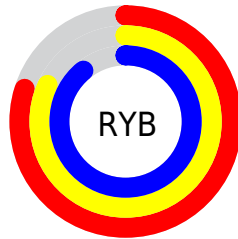
The Yxy color **65.6675, 0.2970, 0.3110** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5709, 0.3286, 0.3464**, and the grayscale version is **65.5968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.7104, 0.2931, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **55.1444, 0.2803, 0.2910**, and if you desaturate by 10%, it is **77.4415, 0.3125, 0.3288**.

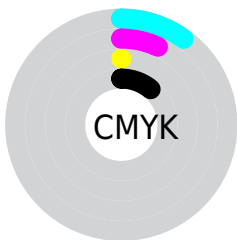
Distribution



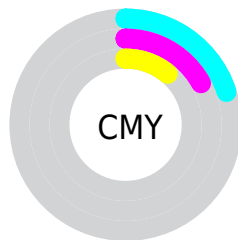
- Red (80%)
- Green (83%)
- Blue (89%)



- Red (80%)
- Yellow (82%)
- Blue (89%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6675, 0.2970, 0.3110 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 65.6675, 0.2970, 0.3110 by changing the saturation by 10% instead.

■ 65.6675, 0.2970,
0.3110

■ 65.6675, 0.2970,
0.3110

445.1868, 0.3044,
0.3195

■ 48.0025, 0.2953,
0.3090

113.0090, 0.2996,
0.3140

■ 33.8289, 0.2931,
0.3066

143.4543, 0.3006,
0.3151

■ 22.7622, 0.2904,
0.3035

178.9285, 0.3015,
0.3161

■ 14.4180, 0.2868,
0.2994

219.8160, 0.3022,
0.3169

■ 8.4120, 0.2817,
0.2936

266.5012, 0.3028,
0.3177

■ 4.3597, 0.2743,
0.2853

319.3684, 0.3034,

■ 1.8767, 0.2623,

0.3183

0.2717

378.8022, 0.3039,
0.3189

0.5343, 0.2315,
0.2358

0.0000, 0.0000,
0.0000

65.6675, 0.2970,
0.3110

65.6675, 0.2970,
0.3110

55.1444, 0.2803,
0.2910

77.4415, 0.3125,
0.3288

45.8214, 0.2626,
0.2688

90.4985, 0.3268,
0.3445

37.6565, 0.2444,
0.2446

98.3817, 0.3286,
0.3552

30.6017, 0.2261,
0.2188

■ 24.6054, 0.2085,
0.1922

■ 19.6116, 0.1925,
0.1657

■ 15.5584, 0.1788,
0.1405

■ 12.3753, 0.1682,
0.1180

■ 9.9840, 0.1609,
0.0992

Harmonies

Analogous

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



65.6675, 0.2922, 0.3155



65.6675, 0.2970, 0.3110



65.6675, 0.3061, 0.3113

Triad

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



65.6675, 0.2970, 0.3110



65.6675, 0.3331, 0.3337



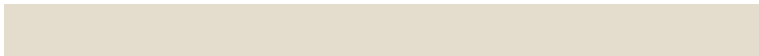
65.6675, 0.3082, 0.3425

Complementary

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



65.6675, 0.2970, 0.3110



72.5709, 0.3286, 0.3464

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.



65.6675, 0.3191, 0.3475



65.6675, 0.2970, 0.3110



65.6675, 0.3337, 0.3421

Square

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



65.6675, 0.2970, 0.3110



65.6675, 0.3270, 0.3242



65.6675, 0.3285, 0.3473



65.6675, 0.2986, 0.3337

Rectangle

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



65.6675, 0.2970, 0.3110



65.6675, 0.3133, 0.3140



65.6675, 0.3285, 0.3473



65.6675, 0.3118, 0.3447

Sweetspot

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



65.6703, 0.2970, 0.3110



95.2422, 0.3082, 0.3239



73.6641, 0.3016, 0.3371



20.1190, 0.3069, 0.3225



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.



65.6703, 0.2970, 0.3110



81.8612, 0.2938, 0.3073



62.8152, 0.3000, 0.3031



14.6054, 0.2981, 0.3122



5.9492, 0.1616, 0.1018



0.5996, 0.1697, 0.1308

Inverse Universe

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



64.8829, 0.3253, 0.3213



80.7154, 0.3281, 0.3197



75.7054, 0.3247, 0.3541



14.4405, 0.3244, 0.3218



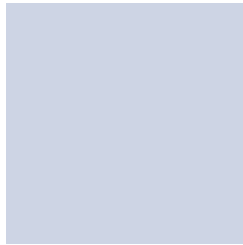
9.7983, 0.5731, 0.2931



0.7402, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 65.6675, 0.2970, 0.3110 looks on a white background.

Color Contrast Check

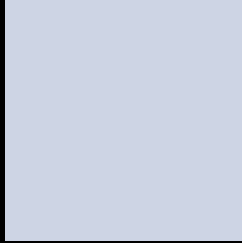
Large Text (above 18pt) WCAG AA × Fail

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 65.6675, 0.2970, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

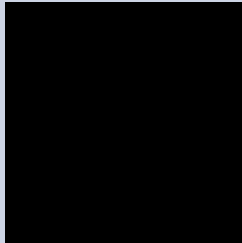
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

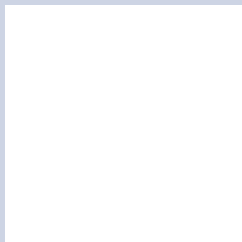
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6675, 0.2970, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 65.6675, 0.2970, 0.3110.

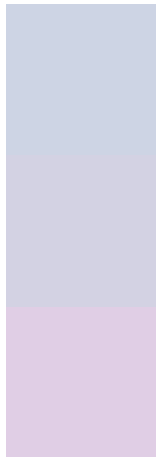


This preview shows how white text looks on a background with the Yxy color 65.6675, 0.2970, 0.3110.

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

65.6675, 0.2970, 0.3110

Protanopia

65.4881, 0.3019, 0.3101

Deuteranopia

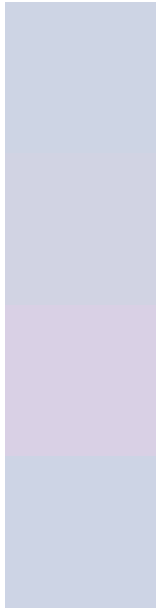
65.6470, 0.3102, 0.3041



Tritanopia

65.7232, 0.2964, 0.3099

Trichromacy



Original Color

65.6675, 0.2970, 0.3110

Protanomaly

65.6899, 0.3005, 0.3111

Deuteranomaly

65.5206, 0.3050, 0.3059

Tritanomaly

65.7232, 0.2964, 0.3099

Monochromacy



Original Color

65.6675, 0.2970, 0.3110

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.7042, 0.3065, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6675, 0.2970, 0.3110 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, 212, 228)` looks like.

```
.text, #text, p{  
    color:rgb(205, 212, 228)  
}
```

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, 212, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 212, 228) }
```

Border

The CSS property to change the border of an element to Yxy 65.6675, 0.2970, 0.3110 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, 212, 228) }
```

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

```
.border{ border-color:rgb(205, 212, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 212, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 212, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 212, 228);  
box-shadow:4px 4px 4px 4px rgb(205, 212,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6675, 0.2970, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 212, 228) }
```

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

```
.background{ background-color: rgb(205,  
212, 228) }
```

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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