

Converting Colors

Yxy(64.0418, 0.2943, 0.3108)

Have a look what the booklet for
Yxy(64.0418, 0.2943, 0.3108)
contains.

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Color

Yxy(63.8635, 0.2948, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	C8D2E2
RGB	200, 210, 226
RGB Percent	78%, 82%, 89%
CMY	0.2157, 0.1765, 0.1137
CMYK	0.12, 0.07, 0.00, 0.11
HSL	217°, 31%, 84%
HSV	217°, 12%, 89%
XYZ	60.5953, 63.8635, 81.0884
YIQ	208.8340, -11.0960, 2.8560

Conversions

Conversions Part 2

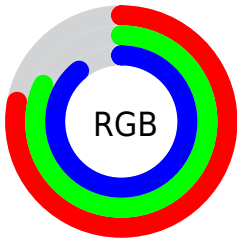
Format	Color
R _Y B	200, 207, 226
Decimal	13161186
CIE Lab	83.89, -0.25, -9.05
CIE LCh	84, 9.057, 268.428
Yxy	63.8635, 0.2948, 0.3107
Android (android.graphics.Color)	4291351266 (0xFFC8D2E2)
YUV	208.8340, 8.4628, -7.7474
Hunter-Lab	79.9146, -4.5029, -4.2205

Details

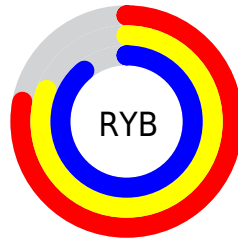
The Yxy color `63.8635, 0.2948, 0.3107` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `69.4585, 0.3311, 0.3467`, and the grayscale version is `63.5983, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `32.8282, 0.2902, 0.3064` is the 20% darker color. If you saturate the color by 10%, you get `54.4066, 0.2782, 0.2927`, and if you desaturate by 10%, it is `74.3830, 0.3105, 0.3268`.

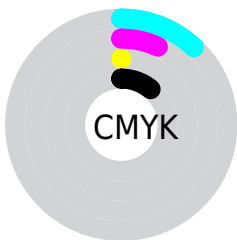
Distribution



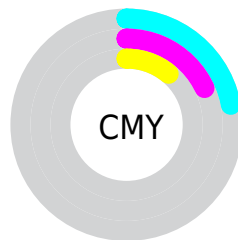
- Red (78%)
- Green (82%)
- Blue (89%)



- Red (78%)
- Yellow (81%)
- Blue (89%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8635, 0.2948, 0.3107 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 63.8635, 0.2948, 0.3107 by changing the saturation by 10% instead.

■ 63.8635, 0.2948,
0.3107

■ 63.8635, 0.2948,
0.3107

438.6965, 0.3033,
0.3194

■ 46.5401, 0.2928,
0.3087

110.4143, 0.2978,
0.3137

■ 32.6723, 0.2904,
0.3062

140.4106, 0.2989,
0.3149

■ 21.8755, 0.2872,
0.3029

175.3999, 0.2999,
0.3159

■ 13.7654, 0.2830,
0.2986

215.7667, 0.3008,
0.3168

■ 7.9577, 0.2772,
0.2926

261.8954, 0.3015,
0.3176

■ 4.0679, 0.2685,
0.2838

314.1703, 0.3022,

■ 1.7116, 0.2544,

0.3182

0.2692

372.9759, 0.3027,
0.3188

0.4312, 0.2077,
0.2218

0.0000, 0.0000,
0.0000

63.8635, 0.2948,
0.3107

63.8635, 0.2948,
0.3107

54.4066, 0.2782,
0.2927

74.3830, 0.3105,
0.3268

45.9691, 0.2610,
0.2729

85.9905, 0.3251,
0.3410

38.5163, 0.2435,
0.2513

96.2094, 0.3301,
0.3541

32.0084, 0.2263,
0.2283

98.2713, 0.3298,
0.3572

■ 26.4023, 0.2099,
0.2045

■ 21.6514, 0.1951,
0.1805

■ 17.7035, 0.1825,
0.1573

■ 14.4988, 0.1727,
0.1359

■ 12.2881, 0.1665,
0.1195

Harmonies

Analogous

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



63.8635, 0.2908, 0.3163



63.8635, 0.2948, 0.3107



63.8635, 0.3035, 0.3100

Triad

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



63.8635, 0.2948, 0.3107



63.8635, 0.3333, 0.3319



63.8635, 0.3103, 0.3446

Complementary

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



63.8635, 0.2948, 0.3107



69.4585, 0.3311, 0.3467

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.



63.8635, 0.3217, 0.3488



63.8635, 0.2948, 0.3107



63.8635, 0.3351, 0.3412

Square

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



63.8635, 0.2948, 0.3107



63.8635, 0.3258, 0.3220



63.8635, 0.3308, 0.3474



63.8635, 0.2997, 0.3360

Rectangle

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



63.8635, 0.2948, 0.3107



63.8635, 0.3110, 0.3122



63.8635, 0.3308, 0.3474



63.8635, 0.3141, 0.3466

Sweetspot

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



63.8662, 0.2948, 0.3107



95.6099, 0.3081, 0.3244



71.6143, 0.3015, 0.3408



20.2180, 0.3069, 0.3232



0.0000, 0.0000, 0.0000



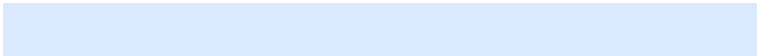
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8662, 0.2948, 0.3107



80.6177, 0.2906, 0.3062



59.4454, 0.2965, 0.2992



14.1028, 0.2981, 0.3142



7.2230, 0.1673, 0.1224



0.6703, 0.1759, 0.1532

Inverse Universe

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



62.1355, 0.3258, 0.3180



77.9642, 0.3291, 0.3154



74.3194, 0.3280, 0.3575



13.7873, 0.3232, 0.3200



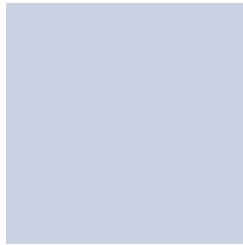
9.6372, 0.5433, 0.2766



0.6851, 0.5017, 0.2537

Previews

White Background



This preview shows how the Yxy color 63.8635, 0.2948, 0.3107 looks on a white background.

Color Contrast Check

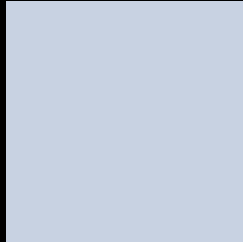
Large Text (above 18pt) WCAG AA × Fail

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 63.8635, 0.2948, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

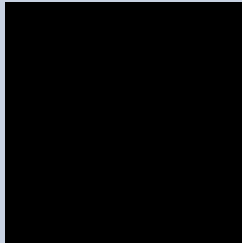
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

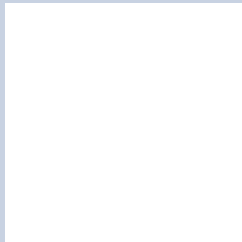
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8635, 0.2948, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 63.8635, 0.2948, 0.3107.

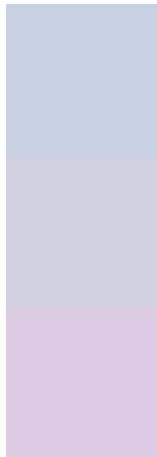


This preview shows how white text looks on a background with the Yxy color 63.8635, 0.2948, 0.3107.

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

63.8635, 0.2948, 0.3107

Protanopia

63.9579, 0.3011, 0.3098

Deuteranopia

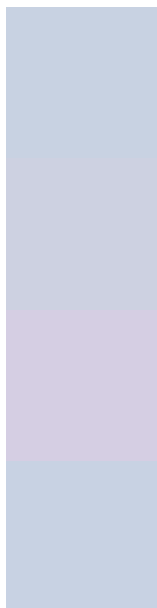
63.6301, 0.3094, 0.3027



Tritanopia

63.9186, 0.2942, 0.3096

Trichromacy



Original Color

63.8635, 0.2948, 0.3107

Protanomaly

64.0163, 0.2990, 0.3109

Deuteranomaly

63.8348, 0.3034, 0.3056

Tritanomaly

63.9186, 0.2942, 0.3096

Monochromacy



Original Color

63.8635, 0.2948, 0.3107

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.6290, 0.3064, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8635, 0.2948, 0.3107 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(200, 210, 226)` looks like.

```
.text, #text, p{  
    color:rgb(200, 210, 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(200, 210, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 210, 226) }
```

Border

The CSS property to change the border of an element to Yxy 63.8635, 0.2948, 0.3107 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(200, 210, 226) }
```

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

```
.border{ border-color:rgb(200, 210, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 210, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 210, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 210, 226);  
box-shadow:4px 4px 4px 4px rgb(200, 210,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8635, 0.2948, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 210, 226) }
```

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

```
.background{ background-color: rgb(200,  
210, 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](#).

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