

Converting Colors

Yxy(63.8745, 0.2983, 0.3108)

Have a look what the booklet for
Yxy(63.8745, 0.2983, 0.3108)
contains.

Yxy(63.8745, 0.2983, 0.3108)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8745, 0.2983, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	CCD1E1
RGB	204, 209, 225
RGB Percent	80%, 82%, 88%
CMY	0.1998, 0.1804, 0.1176
CMYK	0.09, 0.07, 0.00, 0.12
HSL	226°, 26%, 84%
HSV	226°, 9%, 88%
XYZ	61.3055, 63.8745, 80.3364
YIQ	209.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

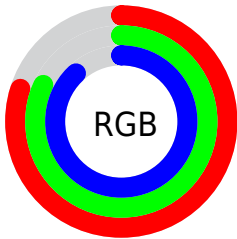
Format	Color
RYB	204, 208, 225
Decimal	13423073
CIELab	83.90, 1.40, -8.48
CIELCh	84, 8.596, 279.384
Yxy	63.8745, 0.2983, 0.3108
Android (android.graphics.Color)	4291613153 (0xFFCCD1E1)
YUV	209.3290, 7.7258, -4.6735
Hunter-Lab	79.9215, -2.9404, -3.6527

Details

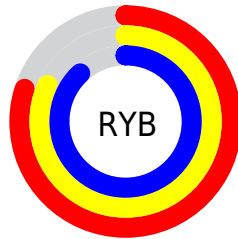
The Yxy color $63.8745, 0.2983, 0.3108$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $71.6003, 0.3271, 0.3466$, and the grayscale version is $63.9461, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.8290, 0.2947, 0.3066$ is the 20% darker color. If you saturate the color by 10%, you get $52.9301, 0.2815, 0.2888$, and if you desaturate by 10%, it is $76.1957, 0.3137, 0.3303$.

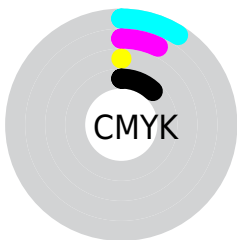
Distribution



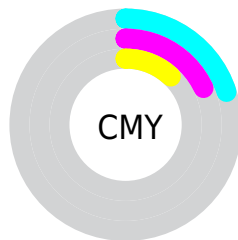
- Red (80%)
- Green (82%)
- Blue (88%)



- Red (80%)
- Yellow (82%)
- Blue (88%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (20%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8745, 0.2983, 0.3108 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 63.8745, 0.2983, 0.3108 by changing the saturation by 10% instead.

■ 63.8745, 0.2983,
0.3108

■ 63.8745, 0.2983,
0.3108

438.7363, 0.3051,
0.3194

■ 46.5490, 0.2967,
0.3088

110.4302, 0.3007,
0.3138

■ 32.6793, 0.2947,
0.3063

140.4292, 0.3016,
0.3150

■ 21.8809, 0.2921,
0.3031

175.4215, 0.3024,
0.3160

■ 13.7694, 0.2887,
0.2989

215.7915, 0.3031,
0.3168

■ 7.9605, 0.2840,
0.2930

261.9236, 0.3037,
0.3176

■ 4.0697, 0.2769,
0.2843

314.2021, 0.3042,

■ 1.7126, 0.2653,

0.3183

0.2702

373.0116, 0.3047,
0.3189

0.4318, 0.2288,
0.2222

0.0000, 0.0000,
0.0000

63.8745, 0.2983,
0.3108

63.8745, 0.2983,
0.3108

52.9301, 0.2815,
0.2888

76.1957, 0.3137,
0.3303

43.3061, 0.2635,
0.2644

89.9317, 0.3277,
0.3473

34.9537, 0.2446,
0.2378

98.2166, 0.3303,
0.3582

27.8183, 0.2255,
0.2095

■ 21.8408, 0.2069,
0.1805

■ 16.9570, 0.1899,
0.1520

■ 13.0963, 0.1754,
0.1257

■ 10.1782, 0.1645,
0.1031

■ 8.0949, 0.1571,
0.0852

Harmonies

Analogous

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



63.8745, 0.2927, 0.3145



63.8745, 0.2983, 0.3108



63.8745, 0.3078, 0.3118

Triad

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



63.8745, 0.2983, 0.3108



63.8745, 0.3335, 0.3351



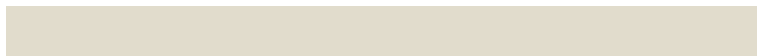
63.8745, 0.3065, 0.3412

Complementary

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



63.8745, 0.2983, 0.3108



71.6003, 0.3271, 0.3466

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.



63.8745, 0.3174, 0.3469



63.8745, 0.2983, 0.3108



63.8745, 0.3331, 0.3432

Square

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



63.8745, 0.2983, 0.3108



63.8745, 0.3282, 0.3257



63.8745, 0.3272, 0.3476



63.8745, 0.2974, 0.3321

Rectangle

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



63.8745, 0.2983, 0.3108



63.8745, 0.3151, 0.3150



63.8745, 0.3272, 0.3476



63.8745, 0.3101, 0.3436

Sweetspot

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



63.8772, 0.2983, 0.3108



94.9014, 0.3082, 0.3233



71.8556, 0.3017, 0.3348



20.0273, 0.3069, 0.3218



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.



63.8772, 0.2983, 0.3108



82.1307, 0.2954, 0.3071



62.2500, 0.3021, 0.3054



13.7639, 0.2981, 0.3105



4.7449, 0.1574, 0.0864



0.4656, 0.1654, 0.1155

Inverse Universe

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



63.8262, 0.3253, 0.3236



82.0853, 0.3280, 0.3225



73.3969, 0.3227, 0.3521



13.7531, 0.3255, 0.3235



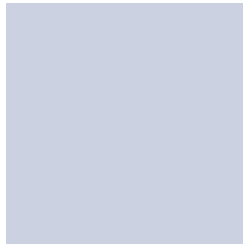
9.3870, 0.5967, 0.3061



0.6645, 0.5531, 0.2821

Previews

White Background



This preview shows how the Yxy color 63.8745, 0.2983, 0.3108 looks on a white background.

Color Contrast Check

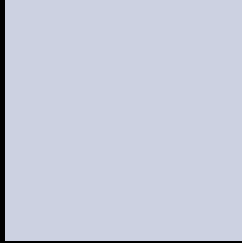
Large Text (above 18pt) WCAG AA × Fail

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 63.8745, 0.2983, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

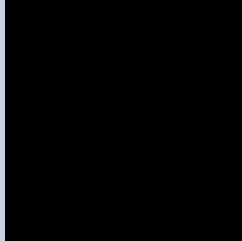
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

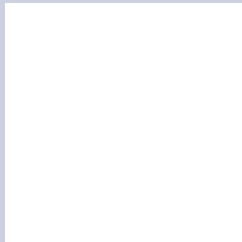
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8745, 0.2983, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 63.8745, 0.2983, 0.3108.

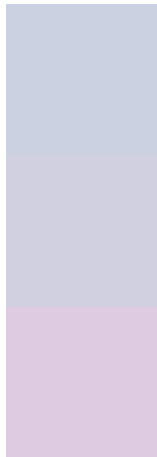


This preview shows how white text looks on a background with the Yxy color 63.8745, 0.2983, 0.3108.

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

63.8745, 0.2983, 0.3108

Protanopia

63.9035, 0.3018, 0.3109

Deuteranopia

63.7325, 0.3109, 0.3038



Tritanopia

63.8745, 0.2983, 0.3108

Trichromacy



Original Color

63.8745, 0.2983, 0.3108

Protanomaly

63.7590, 0.3011, 0.3109

Deuteranomaly

63.6007, 0.3056, 0.3057

Tritanomaly

63.8745, 0.2983, 0.3108

Monochromacy



Original Color

63.8745, 0.2983, 0.3108

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.7726, 0.3071, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8745, 0.2983, 0.3108 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, 209, 225) looks like.

```
.text, #text, p{  
    color:rgb(204, 209, 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(204, 209, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 209, 225) }
```

Border

The CSS property to change the border of an element to Yxy 63.8745, 0.2983, 0.3108 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, 209, 225) }
```

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

```
.border{ border-color:rgb(204, 209, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 209, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 209, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 209, 225); box-shadow:4px 4px 4px 4px rgb(204, 209, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8745, 0.2983, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 209, 225) }
```

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

```
.background{ background-color: rgb(204,  
209, 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