

Converting Colors

$Yxy(68.8334, 0.3123, 0.3235)$

Have a look what the booklet for
Yxy(68.8334, 0.3123, 0.3235)
contains.

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Color

Yxy(68.8283, 0.3122, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	DBD7DC
RGB	219, 215, 220
RGB Percent	86%, 84%, 86%
CMY	0.1414, 0.1568, 0.1372
CMYK	0.00, 0.02, 0.00, 0.14
HSL	287°, 7%, 85%
HSV	287°, 2%, 86%
XYZ	66.4241, 68.8283, 77.5090
YIQ	216.7660, 0.7790, 2.4030

Conversions

Conversions Part 2

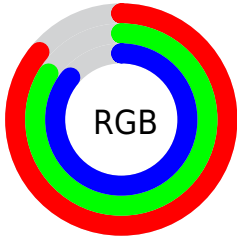
Format	Color
R _Y B	219, 215, 220
Decimal	14407644
CIE Lab	86.42, 2.25, -1.99
CIE LCh	86, 3.005, 318.447
Yxy	68.8283, 0.3122, 0.3235
Android (android.graphics.Color)	4292597724 (0xFFDBD7DC)
YUV	216.7660, 1.5944, 1.9592
Hunter-Lab	82.9628, -2.2691, 2.6816

Details

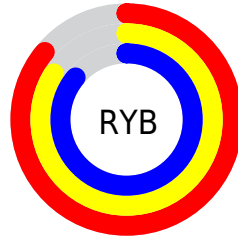
The Yxy color **68.8283, 0.3122, 0.3235** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7171, 0.3132, 0.3345**, and the grayscale version is **69.2065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7507, 0.3121, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **57.6511, 0.3096, 0.2985**, and if you desaturate by 10%, it is **81.5388, 0.3143, 0.3470**.

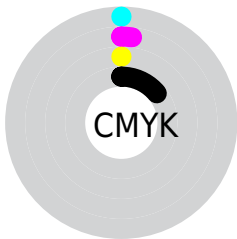
Distribution



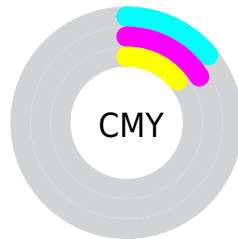
- Red (86%)
- Green (84%)
- Blue (86%)



- Red (86%)
- Yellow (84%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8283, 0.3122, 0.3235 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 68.8283, 0.3122, 0.3235 by changing the saturation by 10% instead.

■ 68.8283, 0.3122,
0.3235

■ 68.8283, 0.3122,
0.3235

456.4252, 0.3125,
0.3261

■ 50.5719, 0.3121,
0.3229

117.5363, 0.3123,
0.3244

■ 35.8680, 0.3121,
0.3222

148.7567, 0.3123,
0.3247

■ 24.3323, 0.3120,
0.3212

185.0672, 0.3124,
0.3250

■ 15.5803, 0.3118,
0.3200

226.8522, 0.3124,
0.3253

■ 9.2276, 0.3117,
0.3183

274.4961, 0.3124,
0.3255

■ 4.8900, 0.3114,
0.3158

328.3833, 0.3124,

■ 2.1828, 0.3110,

0.3257

0.3119

388.8982, 0.3124,
0.3259

0.7106, 0.3102,
0.3019

0.0000, 0.0000,
0.0000

68.8283, 0.3122,
0.3235

68.8283, 0.3122,
0.3235

57.6511, 0.3096,
0.2985

81.5388, 0.3143,
0.3470

47.9384, 0.3065,
0.2723

93.2375, 0.3162,
0.3649

39.6295, 0.3027,
0.2458

94.0165, 0.3192,
0.3646

32.6555, 0.2984,
0.2196

94.8165, 0.3221,
0.3643

■ 26.9423, 0.2936,
0.1948

■ 95.6377, 0.3252,
0.3640

■ 22.4079, 0.2882,
0.1724

■ 96.4802, 0.3282,
0.3636

■ 18.9608, 0.2826,
0.1537

■ 97.3441, 0.3312,
0.3633

■ 16.4958, 0.2769,
0.1392

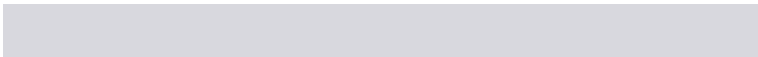
■ 97.9485, 0.3333,
0.3631

■ 14.8864, 0.2712,
0.1294

Harmonies

Analogous

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



68.8283, 0.3087, 0.3227



68.8283, 0.3122, 0.3235



68.8283, 0.3159, 0.3258

Triad

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



68.8283, 0.3122, 0.3235



68.8283, 0.3192, 0.3345



68.8283, 0.3068, 0.3291

Complementary

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



68.8283, 0.3122, 0.3235



70.7171, 0.3132, 0.3345

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.



68.8283, 0.3096, 0.3323



68.8283, 0.3122, 0.3235



68.8283, 0.3168, 0.3354

Square

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



68.8283, 0.3122, 0.3235



68.8283, 0.3199, 0.3321



68.8283, 0.3132, 0.3346



68.8283, 0.3056, 0.3259

Rectangle

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



68.8283, 0.3122, 0.3235



68.8283, 0.3179, 0.3278



68.8283, 0.3132, 0.3346



68.8283, 0.3076, 0.3302

Sweetspot

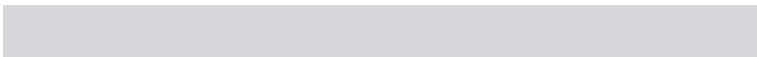
The Sweet Spot groups the original color and five complimentary colors.



68.8313, 0.3122, 0.3235



98.2808, 0.3125, 0.3266



68.7820, 0.3093, 0.3247



21.0543, 0.3125, 0.3267



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.



68.8313, 0.3122, 0.3235



94.9078, 0.3120, 0.3217



68.9224, 0.3139, 0.3251



14.5084, 0.3118, 0.3198



8.3035, 0.2677, 0.1248



0.5736, 0.2768, 0.1299

Inverse Universe

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



68.7910, 0.3156, 0.3278



94.8342, 0.3166, 0.3274



70.6283, 0.3115, 0.3330



14.4944, 0.3176, 0.3271



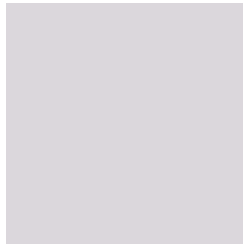
9.0632, 0.6029, 0.3095



0.6000, 0.5571, 0.2843

Previews

White Background



This preview shows how the Yxy color 68.8283, 0.3122, 0.3235 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 68.8283, 0.3122, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

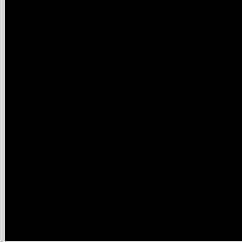
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

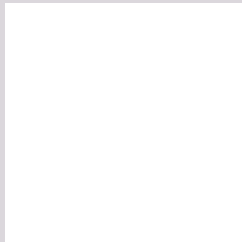
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8283, 0.3122, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 68.8283, 0.3122, 0.3235.

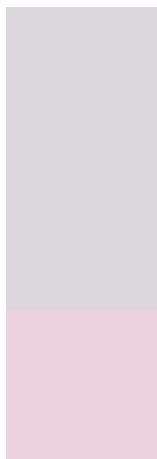


This preview shows how white text looks on a background with the Yxy color 68.8283, 0.3122, 0.3235.

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

68.8283, 0.3122, 0.3235

Protanopia

68.8283, 0.3122, 0.3235

Deuteranopia

68.9758, 0.3237, 0.3174



Tritanopia

68.6738, 0.3071, 0.3106

Trichromacy



Original Color

68.8283, 0.3122, 0.3235

Protanomaly

68.8283, 0.3122, 0.3235

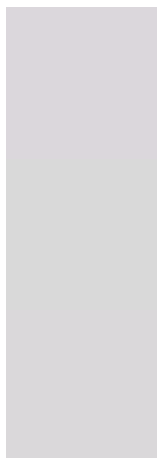
Deuteranomaly

68.9654, 0.3191, 0.3193

Tritanomaly

68.7998, 0.3090, 0.3159

Monochromacy



Original Color

68.8283, 0.3122, 0.3235

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.0791, 0.3128, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8283, 0.3122, 0.3235 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(219, 215, 220) looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 220)  
}
```

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(219, 215, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 220) }
```

Border

The CSS property to change the border of an element to Yxy 68.8283, 0.3122, 0.3235 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(219, 215, 220) }
```

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

```
.border{ border-color:rgb(219, 215, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 220);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8283, 0.3122, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 215, 220) }
```

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

```
.background{ background-color: rgb(219,  
215, 220) }
```

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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