

Converting Colors

$Yxy(68.4400, 0.3173, 0.3318)$

Have a look what the booklet for
Yxy(68.4400, 0.3173, 0.3318)
contains.

Yxy(68.4650, 0.3170, 0.3312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.4650, 0.3170, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	DBD7D5
RGB	219, 215, 213
RGB Percent	86%, 84%, 84%
CMY	0.1411, 0.1569, 0.1646
CMYK	0.00, 0.02, 0.03, 0.14
HSL	20°, 8%, 85%
HSV	20°, 3%, 86%
XYZ	65.5296, 68.4650, 72.7234
YIQ	215.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

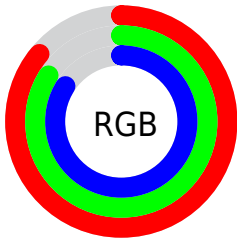
Format	Color
RYB	219, 216, 213
Decimal	14407637
CIELab	86.24, 1.03, 1.45
CIELCh	86, 1.776, 54.694
Yxy	68.4650, 0.3170, 0.3312
Android (android.graphics.Color)	4292597717 (0xFFDBD7D5)
YUV	215.9680, -1.4632, 2.6591
Hunter-Lab	82.7436, -3.4364, 5.8105

Details

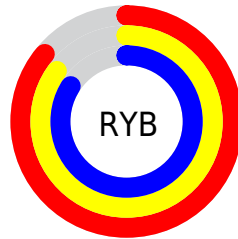
The Yxy color **68.4650, 0.3170, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.9099, 0.3085, 0.3268**, and the grayscale version is **68.6589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5027, 0.3184, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **60.2882, 0.3344, 0.3396**, and if you desaturate by 10%, it is **77.4683, 0.3023, 0.3234**.

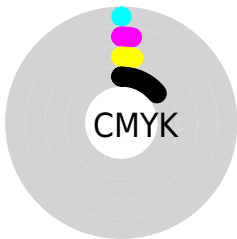
Distribution



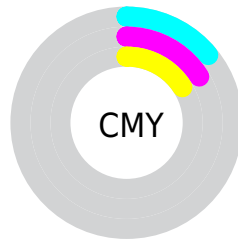
- Red (86%)
- Green (84%)
- Blue (84%)



- Red (86%)
- Yellow (85%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (14%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4650, 0.3170, 0.3312 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 68.4650, 0.3170, 0.3312 by changing the saturation by 10% instead.

■ 68.4650, 0.3170,
0.3312

■ 68.4650, 0.3170,
0.3312

455.1418, 0.3150,
0.3302

■ 50.2761, 0.3175,
0.3314

117.0171, 0.3163,
0.3308

■ 35.6328, 0.3180,
0.3317

148.1491, 0.3160,
0.3307

■ 24.1508, 0.3188,
0.3321

184.3643, 0.3158,
0.3306

■ 15.4455, 0.3198,
0.3326

226.0471, 0.3156,
0.3305

■ 9.1326, 0.3211,
0.3333

273.5818, 0.3154,
0.3304

■ 4.8278, 0.3231,
0.3343

327.3529, 0.3153,

■ 2.1466, 0.3263,

0.3303

387.7448, 0.3151,
0.3302

0.3358

0.6906, 0.3369,
0.3414

0.0000, 0.0000,
0.0000

68.4650, 0.3170,
0.3312

68.4650, 0.3170,
0.3312

60.2882, 0.3344,
0.3396

77.4683, 0.3023,
0.3234

52.9055, 0.3550,
0.3485

87.1939, 0.2908,
0.3180

46.2953, 0.3791,
0.3576

93.8029, 0.2912,
0.3289

40.4315, 0.4070,
0.3666

■ 35.2868, 0.4385,
0.3746

■ 30.8318, 0.4731,
0.3807

■ 27.0350, 0.5089,
0.3838

■ 23.8622, 0.5433,
0.3824

■ 21.2750, 0.5728,
0.3762

Harmonies

Analogous

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



68.4650, 0.3165, 0.3294



68.4650, 0.3170, 0.3312



68.4650, 0.3163, 0.3325

Triad

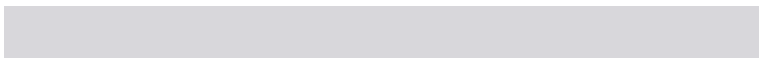
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4650, 0.3170, 0.3312



68.4650, 0.3105, 0.3306



68.4650, 0.3107, 0.3253

Complementary

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



68.4650, 0.3170, 0.3312



68.9099, 0.3085, 0.3268

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.



68.4650, 0.3091, 0.3256



68.4650, 0.3170, 0.3312



68.4650, 0.3090, 0.3287

Square

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



68.4650, 0.3170, 0.3312



68.4650, 0.3126, 0.3321



68.4650, 0.3085, 0.3268



68.4650, 0.3129, 0.3260

Rectangle

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



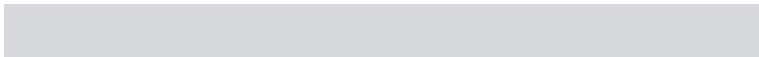
68.4650, 0.3170, 0.3312



68.4650, 0.3153, 0.3328



68.4650, 0.3085, 0.3268



68.4650, 0.3101, 0.3253

Sweetspot

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



68.4680, 0.3170, 0.3312



98.7516, 0.3143, 0.3298



67.6767, 0.3143, 0.3245



21.1501, 0.3142, 0.3298



0.0000, 0.0000, 0.0000



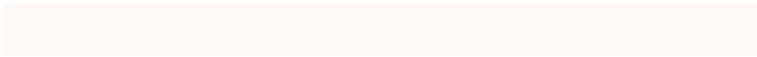
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4680, 0.3170, 0.3312



96.2901, 0.3175, 0.3314



69.9684, 0.3168, 0.3344



14.7732, 0.3187, 0.3320



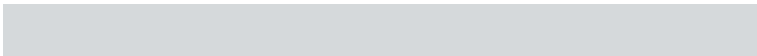
11.8777, 0.5878, 0.3715



0.9243, 0.5559, 0.3968

Inverse Universe

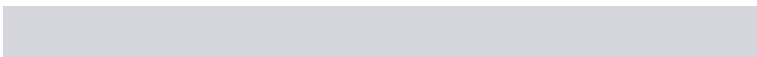
The Inverse Universe completely reimagines the original color for something new.



68.9099, 0.3085, 0.3268



96.9778, 0.3081, 0.3266



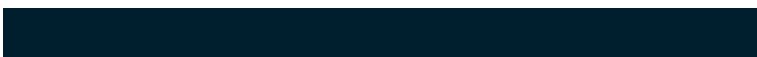
67.4175, 0.3086, 0.3235



14.9054, 0.3069, 0.3259



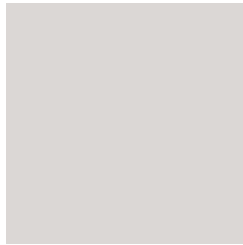
15.5656, 0.1939, 0.2179



1.1637, 0.1995, 0.2382

Previews

White Background



This preview shows how the Yxy color 68.4650, 0.3170, 0.3312 looks on a white background.

Color Contrast Check

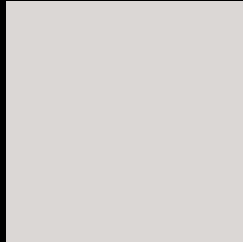
Large Text (above 18pt) WCAG AA × Fail

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 68.4650, 0.3170, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

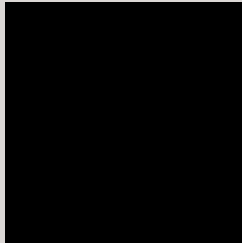
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

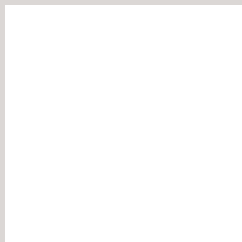
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4650, 0.3170, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 68.4650, 0.3170, 0.3312.

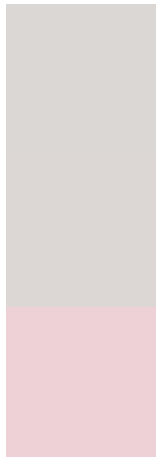


This preview shows how white text looks on a background with the Yxy color 68.4650, 0.3170, 0.3312.

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

68.4650, 0.3170, 0.3312

Protanopia

68.6206, 0.3177, 0.3312

Deuteranopia

68.4605, 0.3304, 0.3237



Tritanopia

68.1163, 0.3078, 0.3106

Trichromacy



Original Color

68.4650, 0.3170, 0.3312

Protanomaly

68.6206, 0.3177, 0.3312

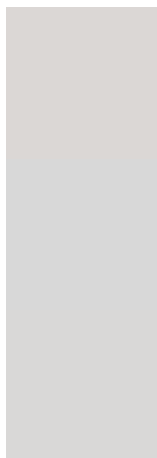
Deuteranomaly

68.2666, 0.3248, 0.3258

Tritanomaly

68.1319, 0.3110, 0.3181

Monochromacy



Original Color

68.4650, 0.3170, 0.3312

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.7697, 0.3141, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4650, 0.3170, 0.3312 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, 213) looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 213) }
```

Border

The CSS property to change the border of an element to Yxy 68.4650, 0.3170, 0.3312 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, 213) }
```

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

```
.border{ border-color:rgb(219, 215, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 213);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4650, 0.3170, 0.3312 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, 213) }
```

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

```
.background{ background-color: rgb(219,  
215, 213) }
```

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