

Converting Colors

Yxy(68.4926, 0.3148, 0.3315)

Have a look what the booklet for
Yxy(68.4926, 0.3148, 0.3315)
contains.

Yxy(68.7185, 0.3148, 0.3312)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(68.7185, 0.3148, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	D9D8D6
RGB	217, 216, 214
RGB Percent	85%, 85%, 84%
CMY	0.1489, 0.1530, 0.1607
CMYK	0.00, 0.00, 0.01, 0.15
HSL	39°, 4%, 85%
HSV	39°, 1%, 85%
XYZ	65.3158, 68.7185, 73.4491
YIQ	216.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

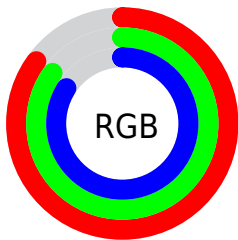
Format	Color
RYP	216, 217, 214
Decimal	14276822
CIELab	86.36, 0.00, 1.09
CIELCh	86, 1.087, 89.893
Yxy	68.7185, 0.3148, 0.3312
Android (android.graphics.Color)	4292466902 (0xFFD9D8D6)
YUV	216.0710, -1.0210, 0.8147
Hunter-Lab	82.8966, -4.4257, 5.4948

Details

The Yxy color **68.7185, 0.3148, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9339, 0.3106, 0.3268**, and the grayscale version is **68.7313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6743, 0.3154, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **63.9653, 0.3308, 0.3476**, and if you desaturate by 10%, it is **73.7974, 0.3005, 0.3158**.

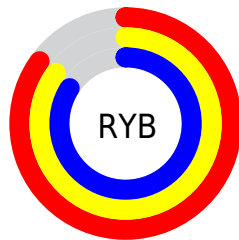
Distribution



Red (85%)

Green (85%)

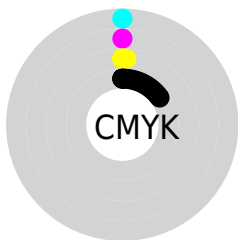
Blue (84%)



Red (85%)

Yellow (85%)

Blue (84%)

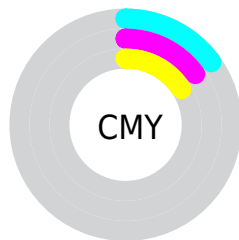


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7185, 0.3148, 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 68.7185, 0.3148, 0.3312 by changing the saturation by 10% instead.

■ 68.7185, 0.3148,
0.3312

■ 68.7185, 0.3148,
0.3312

456.0375, 0.3138,
0.3302

■ 50.4825, 0.3150,
0.3314

117.3794, 0.3145,
0.3308

■ 35.7969, 0.3153,
0.3317

148.5731, 0.3143,
0.3307

■ 24.2774, 0.3157,
0.3321

184.8548, 0.3142,
0.3306

■ 15.5395, 0.3161,
0.3326

226.6090, 0.3141,
0.3305

■ 9.1989, 0.3168,
0.3333

274.2199, 0.3140,
0.3304

■ 4.8711, 0.3177,
0.3343

328.0720, 0.3140,

■ 2.1719, 0.3193,

0.3303

388.5498, 0.3139,
0.3302

0.3359

0.7046, 0.3242,
0.3411

0.0000, 0.0000,
0.0000

68.7185, 0.3148,
0.3312

68.7185, 0.3148,
0.3312

63.9653, 0.3308,
0.3476

73.7974, 0.3005,
0.3158

59.5209, 0.3484,
0.3647

79.0438, 0.2891,
0.3038

55.3798, 0.3676,
0.3821

83.2864, 0.2894,
0.3117

51.5330, 0.3880,
0.3992

87.7074, 0.2897,
0.3194

■ 47.9708, 0.4093,
0.4152

■ 92.3091, 0.2899,
0.3270

■ 44.6831, 0.4307,
0.4290

■ 93.4958, 0.2900,
0.3289

■ 41.6583, 0.4512,
0.4395

■ 38.8840, 0.4698,
0.4456

■ 36.3454, 0.4854,
0.4466

Harmonies

Analogous

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



68.7185, 0.3153, 0.3305



68.7185, 0.3148, 0.3312



68.7185, 0.3137, 0.3313

Triad

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



68.7185, 0.3148, 0.3312



68.7185, 0.3103, 0.3286



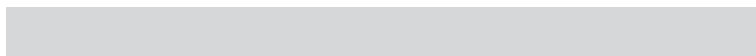
68.7185, 0.3131, 0.3273

Complementary

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



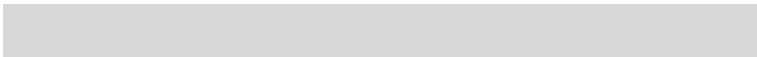
68.7185, 0.3148, 0.3312



67.9339, 0.3106, 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.



68.7185, 0.3117, 0.3268



68.7185, 0.3148, 0.3312



68.7185, 0.3101, 0.3275

Square

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



68.7185, 0.3148, 0.3312



68.7185, 0.3111, 0.3298



68.7185, 0.3107, 0.3268



68.7185, 0.3143, 0.3283

Rectangle

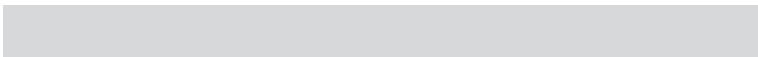
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.7185, 0.3148, 0.3312



68.7185, 0.3128, 0.3310



68.7185, 0.3107, 0.3268



68.7185, 0.3126, 0.3270

Sweetspot

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



68.7215, 0.3148, 0.3312

100.0000, 0.3127, 0.3290



67.7666, 0.3142, 0.3278



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



68.7215, 0.3148, 0.3312



98.5673, 0.3158, 0.3322



69.1820, 0.3144, 0.3323



15.2796, 0.3156, 0.3320



20.9781, 0.4952, 0.4450



1.5168, 0.4797, 0.4573

Inverse Universe

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



67.9339, 0.3106, 0.3268



96.9237, 0.3097, 0.3258



67.4786, 0.3110, 0.3256



15.0413, 0.3099, 0.3260



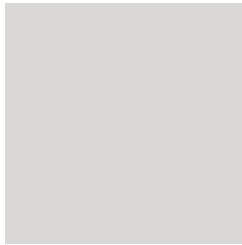
6.1956, 0.1642, 0.1110



0.5584, 0.1734, 0.1440

Previews

White Background



This preview shows how the Yxy color 68.7185, 0.3148, 0.3312 looks on a white background.

Color Contrast Check

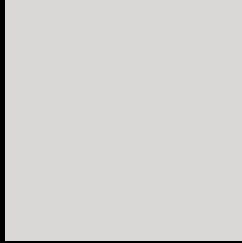
Large Text (above 18pt) WCAG AA × Fail

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 68.7185, 0.3148, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

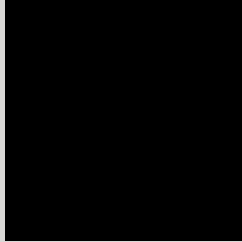
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

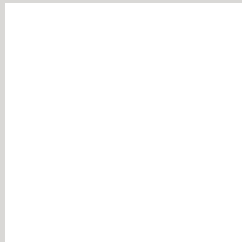
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7185, 0.3148, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 68.7185, 0.3148, 0.3312.

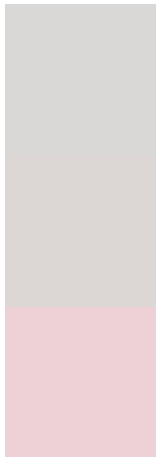


This preview shows how white text looks on a background with the Yxy color 68.7185, 0.3148, 0.3312.

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

68.7185, 0.3148, 0.3312

Protanopia

68.6206, 0.3177, 0.3312

Deuteranopia

68.5117, 0.3296, 0.3227



Tritanopia

68.5173, 0.3064, 0.3105

Trichromacy



Original Color

68.7185, 0.3148, 0.3312

Protanomaly

68.4650, 0.3170, 0.3312

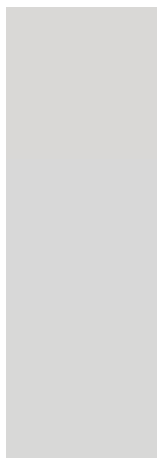
Deuteranomaly

68.8163, 0.3240, 0.3258

Tritanomaly

68.5350, 0.3096, 0.3181

Monochromacy



Original Color

68.7185, 0.3148, 0.3312

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.6170, 0.3134, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7185, 0.3148, 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(217, 216, 214) looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 214)  
}
```

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(217, 216, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 214) }
```

Border

The CSS property to change the border of an element to Yxy 68.7185, 0.3148, 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(217, 216, 214) }
```

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

```
.border{ border-color:rgb(217, 216, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 214);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
214) }
```

Background

The CSS property to change the background color of an element to Yxy 68.7185, 0.3148, 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(217, 216, 214) }
```

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

```
.background{ background-color: rgb(217,  
216, 214) }
```

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