

Converting Colors

$Yxy(70.2023, 0.3119, 0.3329)$

Have a look what the booklet for
Yxy(70.2023, 0.3119, 0.3329)
contains.

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Color

Yxy(70.0680, 0.3118, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	D7DBD8
RGB	215, 219, 216
RGB Percent	84%, 86%, 85%
CMY	0.1570, 0.1411, 0.1528
CMYK	0.02, 0.00, 0.01, 0.14
HSL	136°, 5%, 85%
HSV	136°, 2%, 86%
XYZ	65.7454, 70.0680, 75.0442
YIQ	217.4620, -1.4210, -1.7810

Conversions

Conversions Part 2

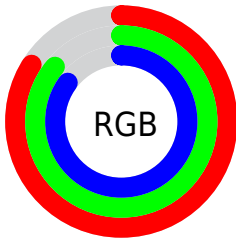
Format	Color
RYB	215, 218, 219
Decimal	14146520
CIELab	87.03, -1.90, 0.97
CIELCh	87, 2.137, 152.889
Yxy	70.0680, 0.3118, 0.3323
Android (android.graphics.Color)	4292336600 (0xFFD7DBD8)
YUV	217.4620, -0.7208, -2.1592
Hunter-Lab	83.7066, -6.2879, 5.4403

Details

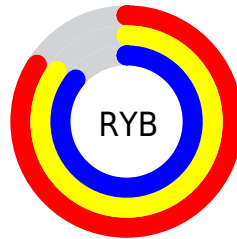
The Yxy color **70.0680, 0.3118, 0.3323** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7042, 0.3136, 0.3257**, and the grayscale version is **69.7267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5977, 0.3116, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **66.1807, 0.3068, 0.3516**, and if you desaturate by 10%, it is **74.4871, 0.3167, 0.3154**.

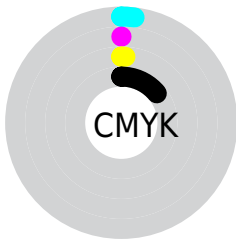
Distribution



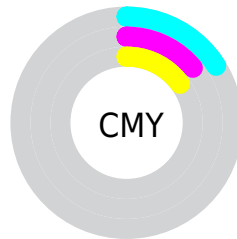
- Red (84%)
- Green (86%)
- Blue (85%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)



- Cyan (16%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0680, 0.3118, 0.3323 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 70.0680, 0.3118, 0.3323 by changing the saturation by 10% instead.

■ 70.0680, 0.3118,
0.3323

■ 70.0680, 0.3118,
0.3323

460.7887, 0.3122,
0.3308

■ 51.5820, 0.3117,
0.3327

119.3057, 0.3120,
0.3318

■ 36.6720, 0.3116,
0.3331

150.8262, 0.3120,
0.3316

■ 24.9536, 0.3114,
0.3337

187.4603, 0.3121,
0.3314

■ 16.0425, 0.3112,
0.3344

229.5924, 0.3121,
0.3312

■ 9.5542, 0.3109,
0.3354

277.6069, 0.3121,
0.3311

■ 5.1044, 0.3105,
0.3369

331.8882, 0.3122,

■ 2.3087, 0.3098,

0.3310

392.8207, 0.3122,
0.3309

0.3394

0.7783, 0.3080,
0.3458

0.0000, 0.0000,
0.0000

70.0680, 0.3118,
0.3323

70.0680, 0.3118,
0.3323

66.1807, 0.3068,
0.3516

74.4871, 0.3167,
0.3154

62.7963, 0.3019,
0.3732

78.7263, 0.3188,
0.3003

59.8968, 0.2972,
0.3973

79.1499, 0.3144,
0.2940

57.4594, 0.2930,
0.4234

■ 55.4597, 0.2897,
0.4511

■ 53.8710, 0.2874,
0.4794

■ 52.6634, 0.2865,
0.5071

■ 51.8029, 0.2871,
0.5327

■ 51.2492, 0.2892,
0.5548

Harmonies

Analogous

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



70.0680, 0.3144, 0.3334



70.0680, 0.3118, 0.3323



70.0680, 0.3094, 0.3303

Triad

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



70.0680, 0.3118, 0.3323



70.0680, 0.3088, 0.3247



70.0680, 0.3175, 0.3301

Complementary

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



70.0680, 0.3118, 0.3323



68.7042, 0.3136, 0.3257

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.



70.0680, 0.3160, 0.3278



70.0680, 0.3118, 0.3323



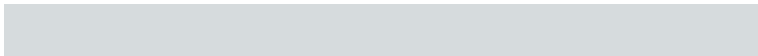
70.0680, 0.3110, 0.3247

Square

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



70.0680, 0.3118, 0.3323



70.0680, 0.3077, 0.3259



70.0680, 0.3136, 0.3258



70.0680, 0.3178, 0.3321

Rectangle

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



70.0680, 0.3118, 0.3323



70.0680, 0.3083, 0.3287



70.0680, 0.3136, 0.3258



70.0680, 0.3172, 0.3293

Sweetspot

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



70.0710, 0.3118, 0.3323



99.3991, 0.3122, 0.3308



70.4799, 0.3147, 0.3335



21.2818, 0.3122, 0.3307



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.



70.0710, 0.3118, 0.3323



98.8058, 0.3117, 0.3326



70.1736, 0.3105, 0.3301



15.3141, 0.3118, 0.3324



30.2351, 0.2909, 0.5672



1.9729, 0.2819, 0.5348

Inverse Universe

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



68.7042, 0.3136, 0.3257



96.7029, 0.3137, 0.3254



68.6016, 0.3150, 0.3279



15.0092, 0.3137, 0.3257



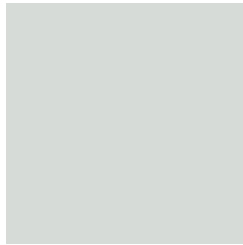
10.4825, 0.4006, 0.1980



0.6930, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 70.0680, 0.3118, 0.3323 looks on a white background.

Color Contrast Check

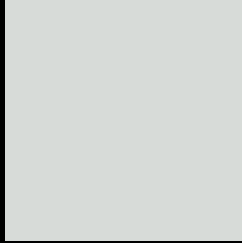
Large Text (above 18pt) WCAG AA × Fail

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 70.0680, 0.3118, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

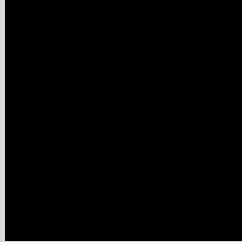
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

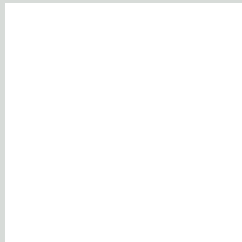
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0680, 0.3118, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 70.0680, 0.3118, 0.3323.



This preview shows how white text looks on a background with the Yxy color 70.0680, 0.3118, 0.3323.

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

70.0680, 0.3118, 0.3323

Protanopia

70.0616, 0.3177, 0.3312

Deuteranopia

70.0012, 0.3288, 0.3217



Tritanopia

69.9004, 0.3029, 0.3106

Trichromacy



Original Color

70.0680, 0.3118, 0.3323

Protanomaly

70.1092, 0.3154, 0.3323

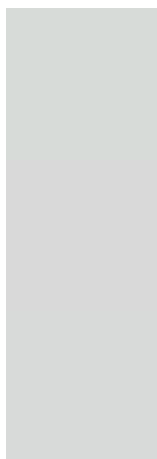
Deuteranomaly

69.9259, 0.3224, 0.3258

Tritanomaly

69.9235, 0.3061, 0.3181

Monochromacy



Original Color

70.0680, 0.3118, 0.3323

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.7515, 0.3119, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0680, 0.3118, 0.3323 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(215, 219, 216) looks like.

```
.text, #text, p{  
    color:rgb(215, 219, 216)  
}
```

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(215, 219, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 219, 216) }
```

Border

The CSS property to change the border of an element to Yxy 70.0680, 0.3118, 0.3323 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(215, 219, 216) }
```

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

```
.border{ border-color:rgb(215, 219, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 219, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 219, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 219, 216);  
box-shadow:4px 4px 4px 4px rgb(215, 219,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0680, 0.3118, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 219, 216) }
```

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

```
.background{ background-color: rgb(215,  
219, 216) }
```

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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