

Converting Colors

$Yxy(69.0200, 0.3015, 0.3311)$

Have a look what the booklet for
Yxy(69.0200, 0.3015, 0.3311)
contains.

Yxy(68.8049, 0.3014, 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(68.8049, 0.3014, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	CADCDA
RGB	202, 220, 218
RGB Percent	79%, 86%, 85%
CMY	0.2077, 0.1373, 0.1450
CMYK	0.08, 0.00, 0.01, 0.14
HSL	173°, 20%, 83%
HSV	173°, 8%, 86%
XYZ	62.6141, 68.8049, 76.3252
YIQ	214.3900, -10.0860, -4.4380

Conversions

Conversions Part 2

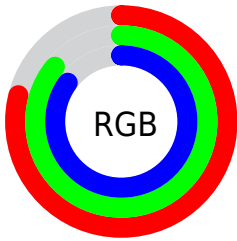
Format	Color
R _Y B	202, 212, 220
Decimal	13294810
CIE Lab	86.41, -6.35, -1.10
CIE LCh	86, 6.447, 189.821
Yxy	68.8049, 0.3014, 0.3312
Android (android.graphics.Color)	4291484890 (0xFFCADCDA)
YUV	214.3900, 1.7797, -10.8660
Hunter-Lab	82.9487, -10.4189, 3.5084

Details

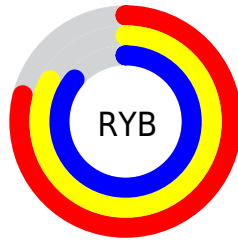
The Yxy color **68.8049, 0.3014, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.8319, 0.3253, 0.3268**, and the grayscale version is **67.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.8505, 0.2989, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **65.8285, 0.2881, 0.3341**, and if you desaturate by 10%, it is **72.2265, 0.3153, 0.3285**.

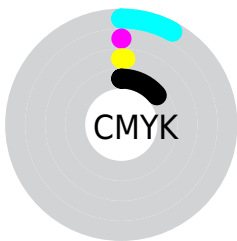
Distribution



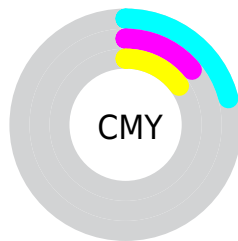
- Red (79%)
- Green (86%)
- Blue (85%)



- Red (79%)
- Yellow (83%)
- Blue (86%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)



- Cyan (21%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8049, 0.3014, 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 68.8049, 0.3014, 0.3312 by changing the saturation by 10% instead.

■ 68.8049, 0.3014,
0.3312

■ 68.8049, 0.3014,
0.3312

456.3426, 0.3067,
0.3302

■ 50.5528, 0.3002,
0.3314

117.5029, 0.3032,
0.3309

■ 35.8529, 0.2987,
0.3317

148.7176, 0.3040,
0.3307

■ 24.3206, 0.2967,
0.3321

185.0219, 0.3046,
0.3306

■ 15.5716, 0.2942,
0.3325

226.8004, 0.3051,
0.3305

■ 9.2215, 0.2907,
0.3332

274.4372, 0.3056,
0.3304

■ 4.8860, 0.2855,
0.3341

328.3170, 0.3060,

■ 2.1805, 0.2773,

0.3303

388.8239, 0.3064,
0.3303

0.3355

0.7093, 0.2499,
0.3414

0.0000, 0.0000,
0.0000

68.8049, 0.3014,
0.3312

68.8049, 0.3014,
0.3312

65.8285, 0.2881,
0.3341

72.2265, 0.3153,
0.3285

63.2700, 0.2758,
0.3373

76.1018, 0.3296,
0.3261

61.1127, 0.2647,
0.3407

77.8939, 0.3344,
0.3238

59.3353, 0.2551,
0.3443

78.0268, 0.3328,
0.3214

■ 57.9145, 0.2472,
0.3480

■ 78.1616, 0.3311,
0.3190

■ 56.8244, 0.2412,
0.3518

■ 78.2982, 0.3294,
0.3166

■ 56.0356, 0.2371,
0.3556

■ 78.4368, 0.3278,
0.3142

■ 55.5136, 0.2350,
0.3594

■ 78.5772, 0.3261,
0.3119

■ 55.2085, 0.2344,
0.3631

■ 78.7195, 0.3245,
0.3095

Harmonies

Analogous

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



68.8049, 0.3081, 0.3378



68.8049, 0.3014, 0.3312



68.8049, 0.2978, 0.3241

Triad

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



68.8049, 0.3014, 0.3312



68.8049, 0.3093, 0.3164



68.8049, 0.3276, 0.3395

Complementary

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



68.8049, 0.3014, 0.3312



61.8319, 0.3253, 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.



68.8049, 0.3279, 0.3337



68.8049, 0.3014, 0.3312



68.8049, 0.3173, 0.3205

Square

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



68.8049, 0.3014, 0.3312



68.8049, 0.3022, 0.3156



68.8049, 0.3241, 0.3267



68.8049, 0.3232, 0.3426

Rectangle

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



68.8049, 0.3014, 0.3312



68.8049, 0.2975, 0.3200



68.8049, 0.3241, 0.3267



68.8049, 0.3282, 0.3378

Sweetspot

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



68.8078, 0.3014, 0.3312



99.0095, 0.3099, 0.3295



68.3049, 0.3132, 0.3496



21.2025, 0.3100, 0.3295



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.



68.8078, 0.3014, 0.3312



95.3015, 0.2988, 0.3317



65.3720, 0.3002, 0.3211



14.8037, 0.2997, 0.3316



32.3864, 0.2342, 0.3633



2.1053, 0.2325, 0.3571

Inverse Universe

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



61.8319, 0.3253, 0.3268



83.4189, 0.3286, 0.3263



65.0418, 0.3260, 0.3368



13.0746, 0.3274, 0.3265



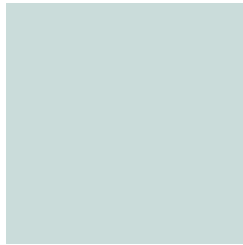
8.9770, 0.6263, 0.3224



0.5896, 0.5935, 0.3043

Previews

White Background



This preview shows how the Yxy color 68.8049, 0.3014, 0.3312 looks on a white background.

Color Contrast Check

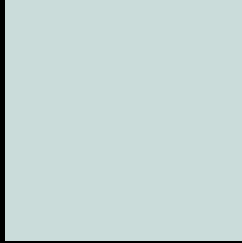
Large Text (above 18pt) WCAG AA × Fail

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 68.8049, 0.3014, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

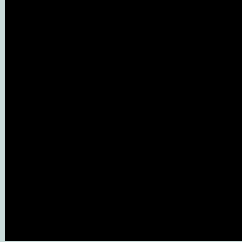
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

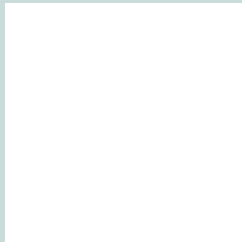
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8049, 0.3014, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 68.8049, 0.3014, 0.3312.

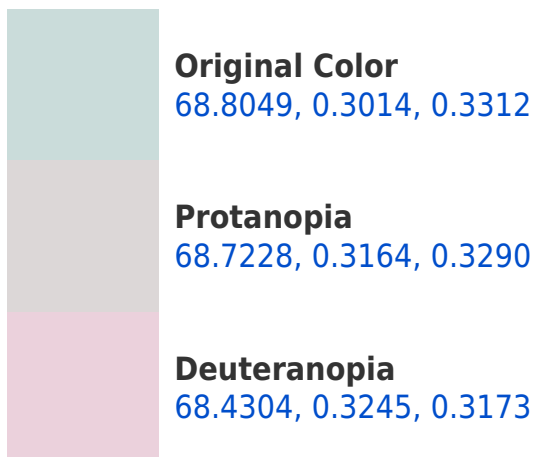


This preview shows how white text looks on a background with the Yxy color 68.8049, 0.3014, 0.3312.

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





Tritanopia

68.6030, 0.2927, 0.3090

Trichromacy



Original Color

68.8049, 0.3014, 0.3312

Protanomaly

68.7297, 0.3105, 0.3301

Deuteranomaly

68.3909, 0.3160, 0.3225

Tritanomaly

68.6373, 0.2958, 0.3167

Monochromacy



Original Color

68.8049, 0.3014, 0.3312

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.7197, 0.3091, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8049, 0.3014, 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(202, 220, 218)` looks like.

```
.text, #text, p{  
    color:rgb(202, 220, 218)  
}
```

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(202, 220, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 220, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.8049, 0.3014, 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(202, 220, 218) }
```

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

```
.border{ border-color:rgb(202, 220, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 220, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 220, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 220, 218);  
box-shadow:4px 4px 4px 4px rgb(202, 220,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8049, 0.3014, 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(202, 220, 218) }
```

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

```
.background{ background-color: rgb(202,  
220, 218) }
```

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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