

Converting Colors

$Yxy(70.1507, 0.3019, 0.3369)$

Have a look what the booklet for
Yxy(70.1507, 0.3019, 0.3369)
contains.

Yxy(70.1507, 0.3019, 0.3369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.1507, 0.3019, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	C9DFD8
RGB	201, 223, 216
RGB Percent	79%, 87%, 85%
CMY	0.2119, 0.1254, 0.1528
CMYK	0.10, 0.00, 0.03, 0.13
HSL	161°, 26%, 83%
HSV	161°, 10%, 87%
XYZ	62.8629, 70.1507, 75.2105
YIQ	215.6240, -10.8650, -6.8410

Conversions

Conversions Part 2

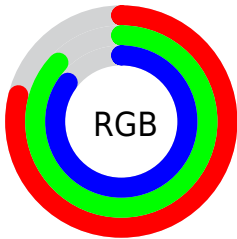
Format	Color
R _Y B	201, 214, 223
Decimal	13230040
CIE Lab	87.07, -8.64, 0.91
CIE LCh	87, 8.684, 173.963
Yxy	70.1507, 0.3019, 0.3369
Android (android.graphics.Color)	4291420120 (0xFFC9DFD8)
YUV	215.6240, 0.1854, -12.8252
Hunter-Lab	83.7560, -12.6003, 5.3885

Details

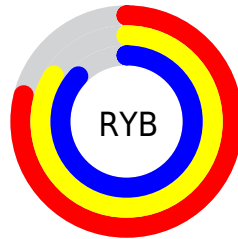
The Yxy color **70.1507, 0.3019, 0.3369** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.9933, 0.3248, 0.3212**, and the grayscale version is **68.4022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7815, 0.2996, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **66.9273, 0.2914, 0.3457**, and if you desaturate by 10%, it is **73.8444, 0.3128, 0.3289**.

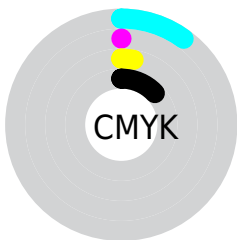
Distribution



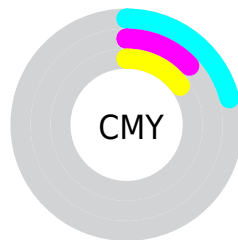
- Red (79%)
- Green (87%)
- Blue (85%)



- Red (79%)
- Yellow (84%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)





- Cyan (21%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1507, 0.3019, 0.3369 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 70.1507, 0.3019, 0.3369 by changing the saturation by 10% instead.

 70.1507, 0.3019,
0.3369

 70.1507, 0.3019,
0.3369


461.0790, 0.3070,
0.3332

 51.6494, 0.3007,
0.3378


119.4236, 0.3037,
0.3356

 36.7257, 0.2993,
0.3388


150.9641, 0.3043,
0.3351

 24.9952, 0.2974,
0.3402


187.6197, 0.3049,
0.3347

 16.0735, 0.2950,
0.3420

229.7748, 0.3054,
0.3343

 9.5762, 0.2917,
0.3444

277.8139, 0.3059,
0.3340

 5.1189, 0.2868,
0.3481

332.1214, 0.3063,

 2.3172, 0.2789,

0.3337

0.3539

393.0816, 0.3066,
0.3334

0.7828, 0.2534,
0.3720

0.0000, 0.0000,
0.0000

70.1507, 0.3019,
0.3369

70.1507, 0.3019,
0.3369

66.9273, 0.2914,
0.3457

73.8444, 0.3128,
0.3289

64.1458, 0.2816,
0.3554


78.0179, 0.3240,
0.3218

61.7884, 0.2728,
0.3659


80.1704, 0.3259,
0.3150


59.8326, 0.2652,
0.3770


80.5920, 0.3212,
0.3081


 58.2536, 0.2593,
0.3887


 81.0301, 0.3165,
0.3014

 57.0239, 0.2552,
0.4007

 81.2633, 0.3142,
0.2980

 56.1122, 0.2532,
0.4129

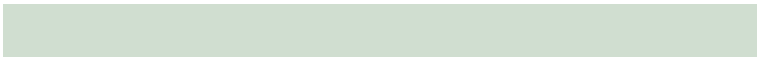
 55.4814, 0.2531,
0.4251

 55.0668, 0.2547,
0.4370

Harmonies

Analogous

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



70.1507, 0.3121, 0.3444



70.1507, 0.3019, 0.3369



70.1507, 0.2947, 0.3273

Triad

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



70.1507, 0.3019, 0.3369



70.1507, 0.3028, 0.3111



70.1507, 0.3336, 0.3392

Complementary

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



70.1507, 0.3019, 0.3369



61.9933, 0.3248, 0.3212

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.



70.1507, 0.3311, 0.3303



70.1507, 0.3019, 0.3369



70.1507, 0.3131, 0.3143

Square

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



70.1507, 0.3019, 0.3369



70.1507, 0.2952, 0.3125



70.1507, 0.3235, 0.3213



70.1507, 0.3305, 0.3455

Rectangle

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



70.1507, 0.3019, 0.3369



70.1507, 0.2925, 0.3211



70.1507, 0.3235, 0.3213



70.1507, 0.3334, 0.3364

Sweetspot

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



70.1537, 0.3019, 0.3369



98.4228, 0.3094, 0.3313



70.4526, 0.3167, 0.3541



20.9784, 0.3085, 0.3320



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.



70.1537, 0.3019, 0.3369



94.0427, 0.2995, 0.3388



68.5792, 0.2975, 0.3248



15.4946, 0.3024, 0.3365



32.3925, 0.2543, 0.4353



2.2613, 0.2491, 0.4169

Inverse Universe

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



61.9933, 0.3248, 0.3212



80.7324, 0.3279, 0.3194



63.3913, 0.3296, 0.3332



13.7717, 0.3242, 0.3216



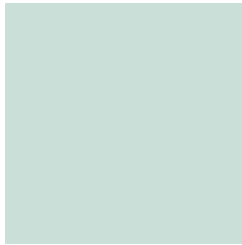
9.5071, 0.5694, 0.2910



0.6749, 0.5255, 0.2668

Previews

White Background



This preview shows how the Yxy color 70.1507, 0.3019, 0.3369 looks on a white background.

Color Contrast Check

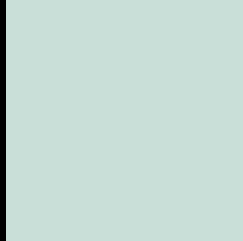
Large Text (above 18pt) WCAG AA × Fail

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 70.1507, 0.3019, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

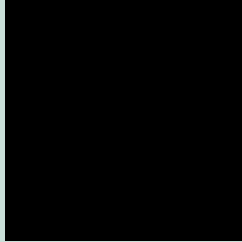
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

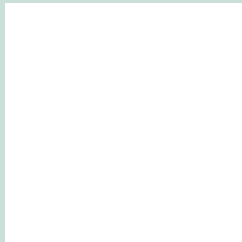
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1507, 0.3019, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 70.1507, 0.3019, 0.3369.

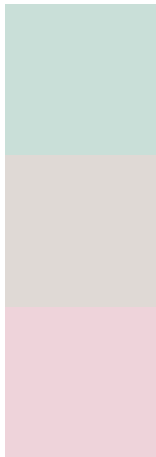


This preview shows how white text looks on a background with the Yxy color 70.1507, 0.3019, 0.3369.

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

70.1507, 0.3019, 0.3369

Protanopia

70.1178, 0.3198, 0.3334

Deuteranopia

69.8276, 0.3280, 0.3217



Tritanopia

70.2800, 0.2916, 0.3102

Trichromacy



Original Color

70.1507, 0.3019, 0.3369

Protanomaly

69.9651, 0.3132, 0.3346

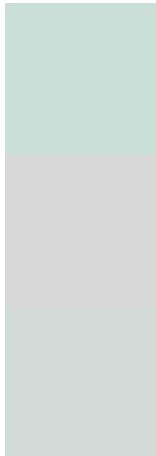
Deuteranomaly

69.6182, 0.3187, 0.3268

Tritanomaly

70.2074, 0.2959, 0.3200

Monochromacy



Original Color

70.1507, 0.3019, 0.3369

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.4698, 0.3090, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1507, 0.3019, 0.3369 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(201, 223, 216)` looks like.

```
.text, #text, p{  
    color:rgb(201, 223, 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(201, 223, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 223, 216) }
```

Border

The CSS property to change the border of an element to Yxy 70.1507, 0.3019, 0.3369 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(201, 223, 216) }
```

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

```
.border{ border-color:rgb(201, 223, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 223, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 223, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 223, 216);  
box-shadow:4px 4px 4px 4px rgb(201, 223,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1507, 0.3019, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 223, 216) }
```

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

```
.background{ background-color: rgb(201,  
223, 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](#).

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