

Converting Colors

$Yxy(70.0406, 0.3029, 0.3412)$

Have a look what the booklet for
Yxy(70.0406, 0.3029, 0.3412)
contains.

Yxy(70.2575, 0.3025, 0.3415)	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(70.2575, 0.3025, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	C7E0D5
RGB	199, 224, 213
RGB Percent	78%, 88%, 84%
CMY	0.2193, 0.1216, 0.1646
CMYK	0.11, 0.00, 0.05, 0.12
HSL	154°, 29%, 83%
HSV	154°, 11%, 88%
XYZ	62.2339, 70.2575, 73.2406
YIQ	215.2710, -11.3690, -8.7210

Conversions

Conversions Part 2

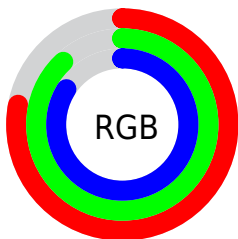
Format	Color
RYB	199, 215, 224
Decimal	13099221
CIELab	87.12, -10.32, 2.56
CIELCh	87, 10.632, 166.064
Yxy	70.2575, 0.3025, 0.3415
Android (android.graphics.Color)	4291289301 (0xFFC7E0D5)
YUV	215.2710, -1.1196, -14.2697
Hunter-Lab	83.8197, -14.1530, 6.8670

Details

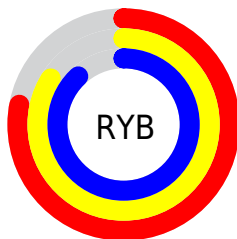
The Yxy color **70.2575, 0.3025, 0.3415** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.3795, 0.3242, 0.3168**, and the grayscale version is **68.1713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8643, 0.3003, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **66.9315, 0.2936, 0.3541**, and if you desaturate by 10%, it is **74.0709, 0.3117, 0.3302**.

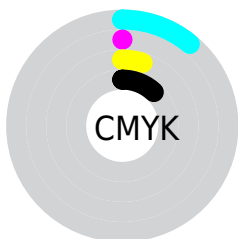
Distribution



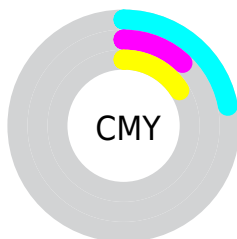
- Red (78%)
- Green (88%)
- Blue (84%)



- Red (78%)
- Yellow (84%)
- Blue (88%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (12%)



- Cyan (22%)
- Magenta (12%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2575, 0.3025, 0.3415 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 70.2575, 0.3025, 0.3415 by changing the saturation by 10% instead.

70.2575, 0.3025,
0.3415

70.2575, 0.3025,
0.3415

461.4536, 0.3073,
0.3356

51.7365, 0.3014,
0.3429

119.5759, 0.3042,
0.3394

36.7951, 0.3000,
0.3446

151.1421, 0.3048,
0.3387

25.0489, 0.2982,
0.3467

187.8254, 0.3054,
0.3380

16.1135, 0.2959,
0.3496

230.0103, 0.3059,
0.3374

9.6045, 0.2927,
0.3536

278.0812, 0.3063,
0.3369

5.1375, 0.2880,
0.3596

332.4225, 0.3067,

2.3282, 0.2803,

0.3364

0.3693

393.4185, 0.3070,
0.3360

0.7886, 0.2531,
0.4012

0.0000, 0.0000,
0.0000

70.2575, 0.3025,
0.3415

70.2575, 0.3025,
0.3415

66.9315, 0.2936,
0.3541

74.0709, 0.3117,
0.3302

64.0639, 0.2854,
0.3679

78.3817, 0.3210,
0.3201

61.6360, 0.2780,
0.3830

81.0110, 0.3222,
0.3107

59.6243, 0.2718,
0.3990

81.6218, 0.3158,
0.3013

■ 58.0034, 0.2672,
0.4159

■ 81.7839, 0.3141,
0.2989

■ 56.7445, 0.2643,
0.4332

■ 55.8149, 0.2635,
0.4505

■ 55.1757, 0.2648,
0.4675

■ 54.7937, 0.2672,
0.4821

Harmonies

Analogous

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



70.2575, 0.3153, 0.3495



70.2575, 0.3025, 0.3415



70.2575, 0.2925, 0.3300

Triad

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



70.2575, 0.3025, 0.3415



70.2575, 0.2977, 0.3070



70.2575, 0.3382, 0.3387

Complementary

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



70.2575, 0.3025, 0.3415



61.3795, 0.3242, 0.3168

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.



70.2575, 0.3333, 0.3275



70.2575, 0.3025, 0.3415



70.2575, 0.3097, 0.3095

Square

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



70.2575, 0.3025, 0.3415



70.2575, 0.2898, 0.3102



70.2575, 0.3228, 0.3170



70.2575, 0.3361, 0.3476

Rectangle

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



70.2575, 0.3025, 0.3415



70.2575, 0.2888, 0.3221



70.2575, 0.3228, 0.3170



70.2575, 0.3373, 0.3351

Sweetspot

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



70.2605, 0.3025, 0.3415



98.3628, 0.3099, 0.3322



71.1738, 0.3193, 0.3572



20.9622, 0.3092, 0.3331



0.0000, 0.0000, 0.0000



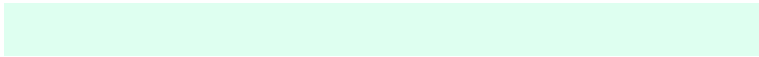
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2605, 0.3025, 0.3415



93.3412, 0.3007, 0.3439



70.1695, 0.2957, 0.3275



15.4651, 0.3040, 0.3395



31.9219, 0.2666, 0.4796



2.2306, 0.2595, 0.4541

Inverse Universe

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



61.3795, 0.3242, 0.3168



79.5051, 0.3265, 0.3146



61.4270, 0.3324, 0.3305



13.8003, 0.3223, 0.3187



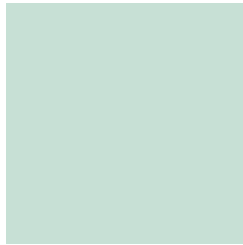
9.7669, 0.5203, 0.2640



0.6948, 0.4819, 0.2429

Previews

White Background



This preview shows how the Yxy color 70.2575, 0.3025, 0.3415 looks on a white background.

Color Contrast Check

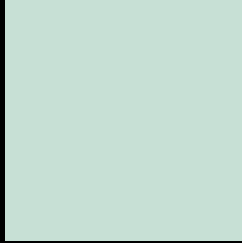
Large Text (above 18pt) WCAG AA × Fail

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 70.2575, 0.3025, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

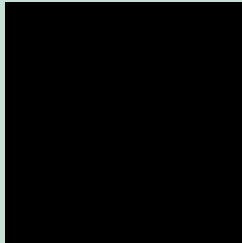
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

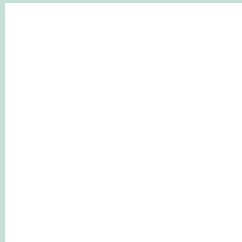
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2575, 0.3025, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 70.2575, 0.3025, 0.3415.

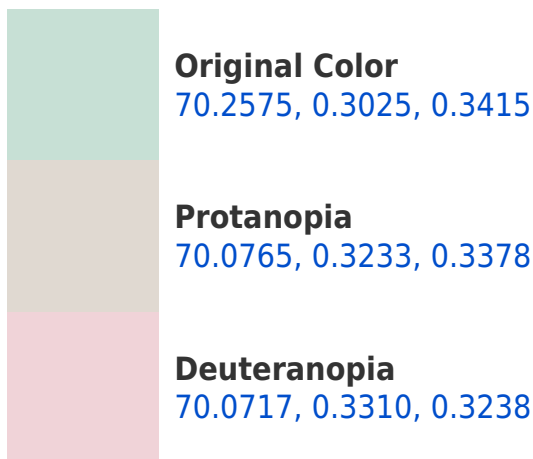


This preview shows how white text looks on a background with the Yxy color 70.2575, 0.3025, 0.3415.

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

70.0560, 0.2897, 0.3091

Trichromacy



Original Color

70.2575, 0.3025, 0.3415

Protanomaly

70.2866, 0.3158, 0.3401

Deuteranomaly

70.0256, 0.3200, 0.3301

Tritanomaly

69.9266, 0.2945, 0.3200

Monochromacy



Original Color

70.2575, 0.3025, 0.3415

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.5532, 0.3089, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2575, 0.3025, 0.3415 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(199, 224, 213)` looks like.

```
.text, #text, p{  
    color:rgb(199, 224, 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(199, 224, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 224, 213) }
```

Border

The CSS property to change the border of an element to Yxy 70.2575, 0.3025, 0.3415 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(199, 224, 213) }
```

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

```
.border{ border-color:rgb(199, 224, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 224, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 224, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 224, 213);  
box-shadow:4px 4px 4px 4px rgb(199, 224,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2575, 0.3025, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 224, 213) }
```

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

```
.background{ background-color: rgb(199,  
224, 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