

Converting Colors

$Yxy(70.4571, 0.2967, 0.3355)$

Have a look what the booklet for
Yxy(70.4571, 0.2967, 0.3355)
contains.

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Color

Yxy(70.7007, 0.2967, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	C4E1DB
RGB	196, 225, 219
RGB Percent	77%, 88%, 86%
CMY	0.2315, 0.1176, 0.1412
CMYK	0.13, 0.00, 0.03, 0.12
HSL	168°, 33%, 83%
HSV	168°, 13%, 88%
XYZ	62.4684, 70.7007, 77.3749
YIQ	215.6450, -15.3580, -8.0140

Conversions

Conversions Part 2

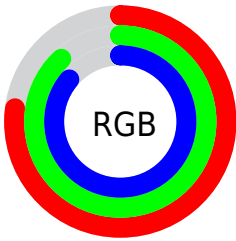
Format	Color
R _Y B	196, 212, 225
Decimal	12902875
CIE Lab	87.34, -10.71, -0.30
CIE LCh	87, 10.712, 181.623
Yxy	70.7007, 0.2967, 0.3358
Android (android.graphics.Color)	4291092955 (0xFFC4E1DB)
YUV	215.6450, 1.6540, -17.2287
Hunter-Lab	84.0837, -14.5332, 4.2991

Details

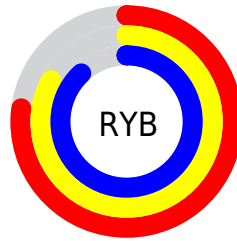
The Yxy color **70.7007, 0.2967, 0.3358** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.7339, 0.3315, 0.3223**, and the grayscale version is **68.4089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **37.1806, 0.2930, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **67.6682, 0.2850, 0.3417**, and if you desaturate by 10%, it is **74.1985, 0.3090, 0.3305**.

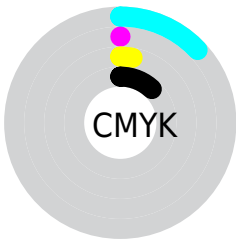
Distribution



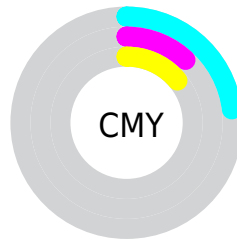
- Red (77%)
- Green (88%)
- Blue (86%)



- Red (77%)
- Yellow (83%)
- Blue (88%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)



- Cyan (23%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7007, 0.2967, 0.3358 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 70.7007, 0.2967, 0.3358 by changing the saturation by 10% instead.

■ 70.7007, 0.2967,
0.3358

■ 70.7007, 0.2967,
0.3358

■ 463.0065, 0.3041,
0.3327

■ 52.0980, 0.2950,
0.3365

■ 120.2075, 0.2993,
0.3347

■ 37.0832, 0.2929,
0.3374

■ 151.8803, 0.3003,
0.3343

■ 25.2719, 0.2902,
0.3385

■ 188.6786, 0.3012,
0.3339

■ 16.2797, 0.2866,
0.3400

■ 230.9868, 0.3019,
0.3336

■ 9.7223, 0.2818,
0.3421

■ 279.1893, 0.3026,
0.3333

■ 5.2152, 0.2747,
0.3450

■ 333.6705, 0.3032,

■ 2.3741, 0.2635,

0.3331

0.3497

394.8148, 0.3037,
0.3329

0.8125, 0.2292,
0.3645

0.0000, 0.0000,
0.0000

70.7007, 0.2967,
0.3358

70.7007, 0.2967,
0.3358

67.6682, 0.2850,
0.3417

74.1985, 0.3090,
0.3305

65.0719, 0.2742,
0.3480

78.1715, 0.3218,
0.3256


62.8931, 0.2647,
0.3548


81.0000, 0.3286,
0.3212


61.1084, 0.2567,
0.3619


81.2695, 0.3255,
0.3166


 59.6918, 0.2504,
0.3693


 81.5460, 0.3224,
0.3121

 58.6145, 0.2460,
0.3769

 81.8296, 0.3193,
0.3076

 57.8428, 0.2437,
0.3845

 82.1205, 0.3163,
0.3032

 57.3365, 0.2432,
0.3921

 82.3387, 0.3141,
0.2999

 57.0923, 0.2437,
0.3974

Harmonies

Analogous

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



70.7007, 0.3085, 0.3461



70.7007, 0.2967, 0.3358



70.7007, 0.2892, 0.3238

Triad

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



70.7007, 0.2967, 0.3358



70.7007, 0.3035, 0.3075



70.7007, 0.3381, 0.3438

Complementary

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



70.7007, 0.2967, 0.3358



59.7339, 0.3315, 0.3223

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.



70.7007, 0.3368, 0.3334



70.7007, 0.2967, 0.3358



70.7007, 0.3166, 0.3128

Square

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



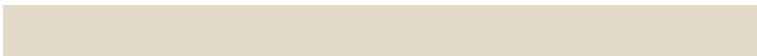
70.7007, 0.2967, 0.3358



70.7007, 0.2931, 0.3077



70.7007, 0.3288, 0.3222



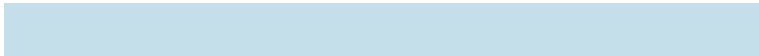
70.7007, 0.3325, 0.3506

Rectangle

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



70.7007, 0.2967, 0.3358



70.7007, 0.2876, 0.3166



70.7007, 0.3288, 0.3222



70.7007, 0.3385, 0.3406

Sweetspot

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



70.7037, 0.2967, 0.3358



97.9814, 0.3076, 0.3310



70.4343, 0.3155, 0.3625



20.8933, 0.3067, 0.3314



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.



70.7037, 0.2967, 0.3358



92.9543, 0.2941, 0.3370



66.6809, 0.2928, 0.3195



15.5212, 0.3009, 0.3339



32.9116, 0.2434, 0.3963



2.2936, 0.2402, 0.3846

Inverse Universe

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



59.7339, 0.3315, 0.3223



76.1747, 0.3353, 0.3211



63.2703, 0.3350, 0.3383



13.7467, 0.3260, 0.3242



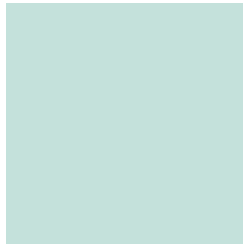
9.3540, 0.6049, 0.3106



0.6613, 0.5622, 0.2871

Previews

White Background



This preview shows how the Yxy color 70.7007, 0.2967, 0.3358 looks on a white background.

Color Contrast Check

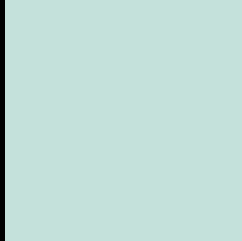
Large Text (above 18pt) WCAG AA × Fail

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 70.7007, 0.2967, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

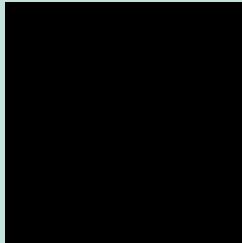
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

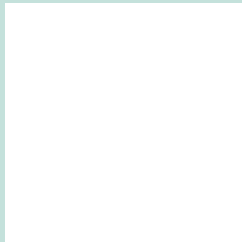
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7007, 0.2967, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 70.7007, 0.2967, 0.3358.

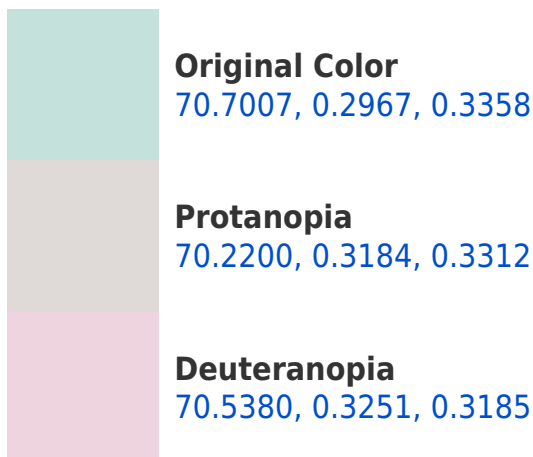


This preview shows how white text looks on a background with the Yxy color 70.7007, 0.2967, 0.3358.

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

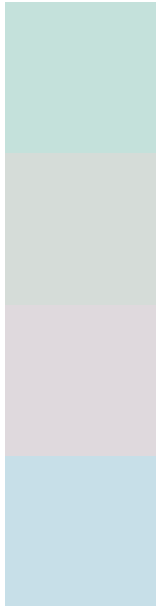




Tritanopia

70.8132, 0.2866, 0.3091

Trichromacy



Original Color

70.7007, 0.2967, 0.3358

Protanomaly

70.2904, 0.3104, 0.3334

Deuteranomaly

70.5341, 0.3144, 0.3247

Tritanomaly

70.7437, 0.2908, 0.3189

Monochromacy



Original Color

70.7007, 0.2967, 0.3358

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2281, 0.3069, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7007, 0.2967, 0.3358 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(196, 225, 219)` looks like.

```
.text, #text, p{  
    color:rgb(196, 225, 219)  
}
```

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(196, 225, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 225, 219) }
```

Border

The CSS property to change the border of an element to Yxy 70.7007, 0.2967, 0.3358 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(196, 225, 219) }
```

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

```
.border{ border-color:rgb(196, 225, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 225, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 225, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 225, 219); box-shadow:4px 4px 4px 4px rgb(196, 225, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7007, 0.2967, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 225, 219) }
```

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

```
.background{ background-color: rgb(196,  
225, 219) }
```

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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