

Converting Colors

$Yxy(70.1855, 0.3189, 0.3635)$

Have a look what the booklet for
Yxy(70.1855, 0.3189, 0.3635)
contains.

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Color

Yxy(70.1855, 0.3189, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	CDE0C2
RGB	205, 224, 194
RGB Percent	80%, 88%, 76%
CMY	0.1959, 0.1216, 0.2393
CMYK	0.08, 0.00, 0.13, 0.12
HSL	98°, 33%, 82%
HSV	98°, 13%, 88%
XYZ	61.5740, 70.1855, 61.3230
YIQ	214.8990, -1.6940, -13.3580

Conversions

Conversions Part 2

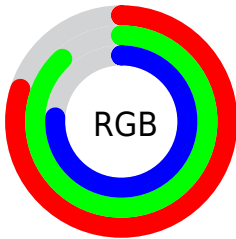
Format	Color
RYB	194, 224, 213
Decimal	13492418
CIELab	87.09, -11.71, 12.57
CIELCh	87, 17.179, 132.959
Yxy	70.1855, 0.3189, 0.3635
Android (android.graphics.Color)	4291682498 (0xFFCDE0C2)
YUV	214.8990, -10.3032, -8.6814
Hunter-Lab	83.7768, -15.4160, 15.2446

Details

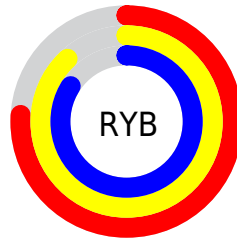
The Yxy color **70.1855, 0.3189, 0.3635** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **58.0894, 0.3057, 0.2951**, and the grayscale version is **67.9588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **36.8487, 0.3207, 0.3730** is the 20% darker color. If you saturate the color by 10%, you get **67.3345, 0.3233, 0.3921**, and if you desaturate by 10%, it is **73.3762, 0.3143, 0.3373**.

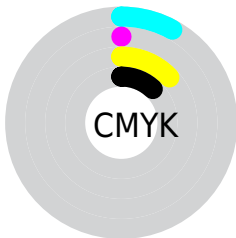
Distribution



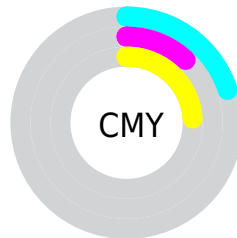
- Red (80%)
- Green (88%)
- Blue (76%)



- Red (76%)
- Yellow (88%)
- Blue (84%)



- Cyan (8%)
- Magenta (0%)
- Yellow (13%)
- Black (12%)





- Cyan (20%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1855, 0.3189, 0.3635 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 70.1855, 0.3189, 0.3635 by changing the saturation by 10% instead.

 70.1855, 0.3189,
0.3635

 70.1855, 0.3189,
0.3635


461.2011, 0.3162,
0.3471

 51.6778, 0.3195,
0.3674

 119.4733, 0.3180,
0.3577

 36.7483, 0.3202,
0.3722


151.0221, 0.3176,
0.3555

 25.0127, 0.3210,
0.3784


187.6867, 0.3173,
0.3536

 16.0865, 0.3221,
0.3867

229.8516, 0.3170,
0.3520

 9.5854, 0.3234,
0.3983

277.9010, 0.3168,
0.3505

 5.1249, 0.3249,
0.4156

332.2195, 0.3166,

 2.3207, 0.3266,

0.3492

0.4442

393.1914, 0.3164,
0.3481

0.7847, 0.3696,
0.6304

0.0000, 0.0000,
0.0000

70.1855, 0.3189,
0.3635

70.1855, 0.3189,
0.3635

67.3345, 0.3233,
0.3921

73.3762, 0.3143,
0.3373

64.8026, 0.3272,
0.4226

76.9085, 0.3097,
0.3137

62.5805, 0.3302,
0.4543

80.3919, 0.3090,
0.2985

60.6551, 0.3322,
0.4859

81.7909, 0.3141,
0.2989

■ 59.0121, 0.3326,
0.5157

■ 57.6361, 0.3312,
0.5420

■ 56.5095, 0.3281,
0.5629

■ 55.6123, 0.3234,
0.5776

■ 55.1281, 0.3198,
0.5842

Harmonies

Analogous

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



70.1855, 0.3385, 0.3656



70.1855, 0.3189, 0.3635



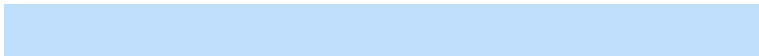
70.1855, 0.2981, 0.3511

Triad

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



70.1855, 0.3189, 0.3635



70.1855, 0.2752, 0.2996



70.1855, 0.3446, 0.3245

Complementary

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



70.1855, 0.3189, 0.3635



58.0894, 0.3057, 0.2951

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.



70.1855, 0.3267, 0.3083



70.1855, 0.3189, 0.3635



70.1855, 0.2867, 0.2940

Square

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



70.1855, 0.3189, 0.3635



70.1855, 0.2733, 0.3134



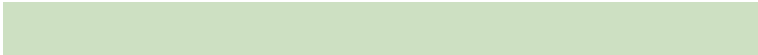
70.1855, 0.3054, 0.2972



70.1855, 0.3538, 0.3424

Rectangle

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



70.1855, 0.3189, 0.3635



70.1855, 0.2863, 0.3390



70.1855, 0.3054, 0.2972



70.1855, 0.3394, 0.3187

Sweetspot

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



70.1885, 0.3189, 0.3635



98.1589, 0.3146, 0.3389



67.0725, 0.3344, 0.3497



20.9377, 0.3149, 0.3408



0.0000, 0.0000, 0.0000



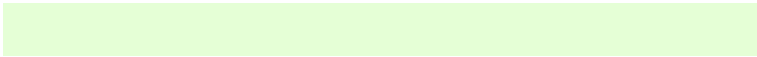
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1885, 0.3189, 0.3635



93.0812, 0.3201, 0.3710



68.8295, 0.3088, 0.3601



15.5818, 0.3171, 0.3528



32.1487, 0.3209, 0.5834



2.2780, 0.3330, 0.5738

Inverse Universe

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



58.0894, 0.3057, 0.2951



73.9344, 0.3041, 0.2879



59.6117, 0.3169, 0.2998



13.6701, 0.3079, 0.3055



6.5207, 0.2306, 0.1044



0.5023, 0.2445, 0.1121

Previews

White Background



This preview shows how the Yxy color 70.1855, 0.3189, 0.3635 looks on a white background.

Color Contrast Check

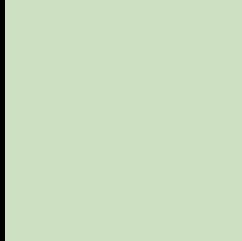
Large Text (above 18pt) WCAG AA × Fail

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 70.1855, 0.3189, 0.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

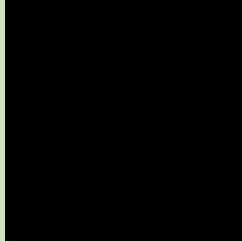
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

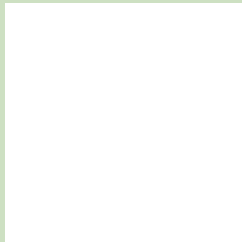
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1855, 0.3189, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 70.1855, 0.3189, 0.3635.

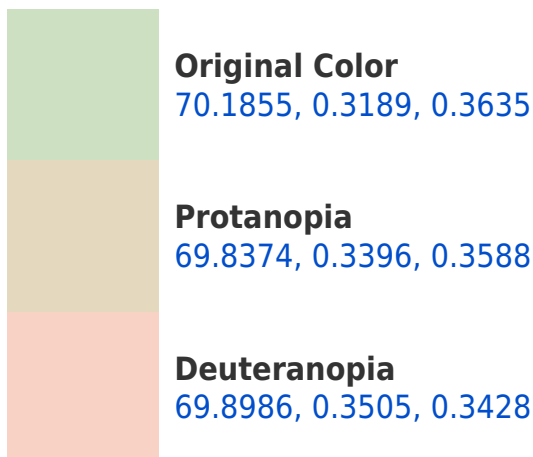


This preview shows how white text looks on a background with the Yxy color 70.1855, 0.3189, 0.3635.

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

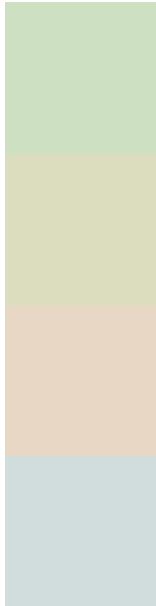




Tritanopia

69.9898, 0.2968, 0.3104

Trichromacy



Original Color

70.1855, 0.3189, 0.3635

Protanomaly

70.1636, 0.3324, 0.3615

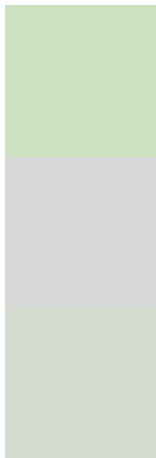
Deuteranomaly

69.7422, 0.3387, 0.3497

Tritanomaly

69.9090, 0.3050, 0.3290

Monochromacy



Original Color

70.1855, 0.3189, 0.3635

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.4967, 0.3150, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1855, 0.3189, 0.3635 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(205, 224, 194)` looks like.

```
.text, #text, p{  
    color:rgb(205, 224, 194)  
}
```

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(205, 224, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 224, 194) }
```

Border

The CSS property to change the border of an element to Yxy 70.1855, 0.3189, 0.3635 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(205, 224, 194) }
```

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

```
.border{ border-color:rgb(205, 224, 194) }
```

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

Here you see how a box with a 4 pixel rgb(205, 224, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 224, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 224, 194);  
box-shadow:4px 4px 4px 4px rgb(205, 224,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1855, 0.3189, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 224, 194) }
```

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

```
.background{ background-color: rgb(205,  
224, 194) }
```

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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