

Converting Colors

Yxy(69.9194, 0.3197, 0.3877)

Have a look what the booklet for
Yxy(69.9194, 0.3197, 0.3877)
contains.

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Color

Yxy(70.0386, 0.3202, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	C1E4B2
RGB	193, 228, 178
RGB Percent	76%, 89%, 70%
CMY	0.2432, 0.1059, 0.3018
CMYK	0.15, 0.00, 0.22, 0.11
HSL	102°, 48%, 80%
HSV	102°, 22%, 89%
XYZ	57.7701, 70.0386, 52.6101
YIQ	211.8350, -4.8100, -22.9700

Conversions

Conversions Part 2

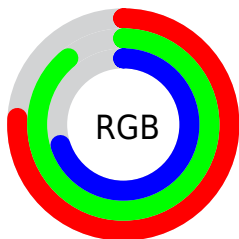
Format	Color
RYB	178, 228, 213
Decimal	12706994
CIELab	87.02, -20.50, 20.67
CIELCh	87, 29.112, 134.753
Yxy	70.0386, 0.3202, 0.3882
Android (android.graphics.Color)	4290897074 (0xFFC1E4B2)
YUV	211.8350, -16.6807, -16.5183
Hunter-Lab	83.6891, -23.2383, 21.3104

Details

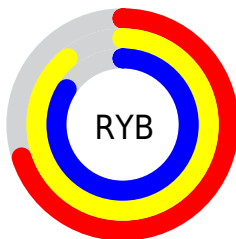
The Yxy color **70.0386, 0.3202, 0.3882** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.6114, 0.3031, 0.2726**, and the grayscale version is **65.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7845, 0.3218, 0.3495**, and **36.4747, 0.3216, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **67.2124, 0.3231, 0.4191**, and if you desaturate by 10%, it is **73.2500, 0.3169, 0.3596**.

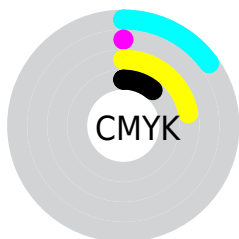
Distribution



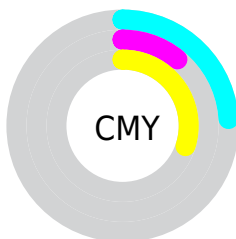
- Red (76%)
- Green (89%)
- Blue (70%)



- Red (70%)
- Yellow (89%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0386, 0.3202, 0.3882 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 70.0386, 0.3202, 0.3882 by changing the saturation by 10% instead.


 70.0386, 0.3202,
0.3882

 70.0386, 0.3202,
0.3882

460.6855, 0.3172,
0.3597

 51.5580, 0.3207,
0.3950


 119.2638, 0.3193,
0.3781

 36.6529, 0.3213,
0.4035


150.7772, 0.3189,
0.3742

 24.9389, 0.3219,
0.4145


187.4036, 0.3185,
0.3709

 16.0315, 0.3225,
0.4293

229.5275, 0.3182,
0.3681

 9.5464, 0.3227,
0.4501

277.5333, 0.3179,
0.3656

 5.0993, 0.3220,
0.4814

331.8053, 0.3177,

 2.3056, 0.3207,

0.3634

392.7279, 0.3174,
0.3614

0.5380

0.7767, 0.2345,
0.7655

0.0000, 0.0000,
0.0000

70.0386, 0.3202,
0.3882

70.0386, 0.3202,
0.3882

67.2124, 0.3231,
0.4191

73.2500, 0.3169,
0.3596

64.7477, 0.3252,
0.4515

76.8516, 0.3134,
0.3337

62.6318, 0.3264,
0.4841

80.8593, 0.3098,
0.3105

60.8478, 0.3263,
0.5154

83.9711, 0.3139,
0.3029

■ 59.3771, 0.3247,
0.5432

■ 58.1992, 0.3216,
0.5656

■ 57.2903, 0.3172,
0.5813

■ 56.7270, 0.3132,
0.5895

Harmonies

Analogous

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



70.0386, 0.3540, 0.3918



70.0386, 0.3202, 0.3882



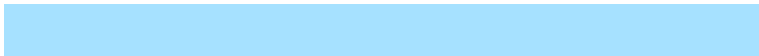
70.0386, 0.2856, 0.3656

Triad

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



70.0386, 0.3202, 0.3882



70.0386, 0.2510, 0.2783



70.0386, 0.3686, 0.3225

Complementary

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



70.0386, 0.3202, 0.3882



51.6114, 0.3031, 0.2726

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.



70.0386, 0.3382, 0.2960



70.0386, 0.3202, 0.3882



70.0386, 0.2706, 0.2709

Square

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



70.0386, 0.3202, 0.3882



70.0386, 0.2470, 0.2999



70.0386, 0.3020, 0.2775



70.0386, 0.3832, 0.3517

Rectangle

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



70.0386, 0.3202, 0.3882



70.0386, 0.2667, 0.3437



70.0386, 0.3020, 0.2775



70.0386, 0.3598, 0.3131

Sweetspot

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



70.0416, 0.3202, 0.3882



96.6070, 0.3152, 0.3466



67.3073, 0.3490, 0.3680



20.6178, 0.3154, 0.3482



0.0000, 0.0000, 0.0000



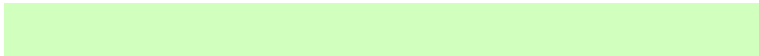
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0416, 0.3202, 0.3882



88.6678, 0.3215, 0.4011



68.5921, 0.3037, 0.3775



16.2970, 0.3161, 0.3530



32.8075, 0.3142, 0.5887



2.4713, 0.3251, 0.5801

Inverse Universe

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



51.6114, 0.3031, 0.2726



61.1776, 0.3008, 0.2610



53.4121, 0.3232, 0.2849



14.3875, 0.3090, 0.3055



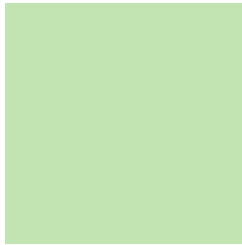
7.6031, 0.2467, 0.1132



0.6096, 0.2578, 0.1194

Previews

White Background



This preview shows how the Yxy color 70.0386, 0.3202, 0.3882 looks on a white background.

Color Contrast Check

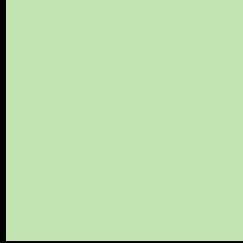
Large Text (above 18pt) WCAG AA × Fail

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 70.0386, 0.3202, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

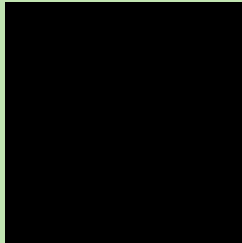
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

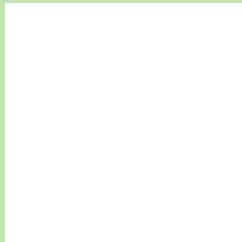
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0386, 0.3202, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 70.0386, 0.3202, 0.3882.

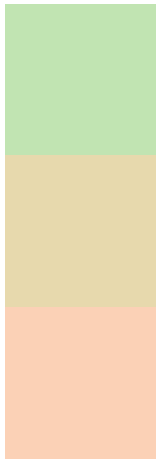


This preview shows how white text looks on a background with the Yxy color 70.0386, 0.3202, 0.3882.

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

70.0386, 0.3202, 0.3882

Protanopia

69.6318, 0.3540, 0.3775

Deuteranopia

69.4876, 0.3653, 0.3574



Tritanopia

69.8574, 0.2896, 0.3101

Trichromacy



Original Color

70.0386, 0.3202, 0.3882

Protanomaly

69.5598, 0.3409, 0.3812

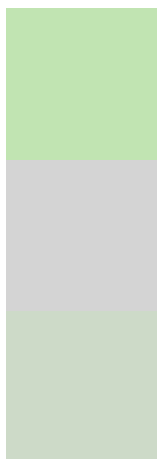
Deuteranomaly

69.2709, 0.3478, 0.3676

Tritanomaly

69.8753, 0.3006, 0.3369

Monochromacy



Original Color

70.0386, 0.3202, 0.3882

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.2921, 0.3154, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0386, 0.3202, 0.3882 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(193, 228, 178)` looks like.

```
.text, #text, p{  
    color:rgb(193, 228, 178)  
}
```

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(193, 228, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 228, 178) }
```

Border

The CSS property to change the border of an element to Yxy 70.0386, 0.3202, 0.3882 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(193, 228, 178) }
```

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

```
.border{ border-color:rgb(193, 228, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 228, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 228, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 228, 178);  
box-shadow:4px 4px 4px 4px rgb(193, 228,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0386, 0.3202, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 228, 178) }
```

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

```
.background{ background-color: rgb(193,  
228, 178) }
```

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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