

Converting Colors

$Yxy(70.8415, 0.3217, 0.3960)$

Have a look what the booklet for
Yxy(70.8415, 0.3217, 0.3960)
contains.

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Color

Yxy(70.8561, 0.3218, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	C0E6AE
RGB	192, 230, 174
RGB Percent	75%, 90%, 68%
CMY	0.2472, 0.0980, 0.3177
CMYK	0.17, 0.00, 0.24, 0.10
HSL	101°, 53%, 79%
HSV	101°, 24%, 90%
XYZ	57.6669, 70.8561, 50.6781
YIQ	212.2540, -4.6720, -25.4720

Conversions

Conversions Part 2

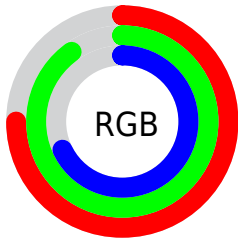
Format	Color
RYB	174, 230, 212
Decimal	12641966
CIELab	87.42, -22.47, 23.31
CIElCh	87, 32.375, 133.952
Yxy	70.8561, 0.3218, 0.3954
Android (android.graphics.Color)	4290832046 (0xFFC0E6AE)
YUV	212.2540, -18.8592, -17.7628
Hunter-Lab	84.1761, -25.0223, 23.2278

Details

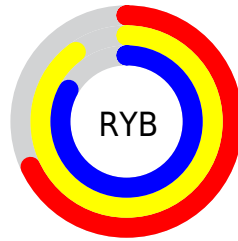
The Yxy color **70.8561, 0.3218, 0.3954** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **49.9887, 0.3008, 0.2657**, and the grayscale version is **66.1431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3729, 0.3235, 0.3535**, and **37.0559, 0.3236, 0.4125** is the 20% darker color. If you saturate the color by 10%, you get **68.1055, 0.3249, 0.4266**, and if you desaturate by 10%, it is **73.9830, 0.3182, 0.3663**.

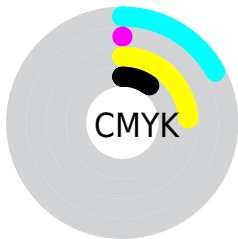
Distribution



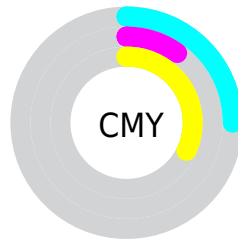
- Red (75%)
- Green (90%)
- Blue (68%)



- Red (68%)
- Yellow (90%)
- Blue (83%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (10%)





- Cyan (25%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8561, 0.3218, 0.3954 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 70.8561, 0.3218, 0.3954 by changing the saturation by 10% instead.


 70.8561, 0.3218,
0.3954

 70.8561, 0.3218,
0.3954


463.5502, 0.3182,
0.3634

 52.2248, 0.3224,
0.4030


 120.4288, 0.3207,
0.3840

 37.1843, 0.3231,
0.4126


152.1390, 0.3202,
0.3797

 25.3502, 0.3238,
0.4249


188.9775, 0.3198,
0.3760

 16.3382, 0.3244,
0.4415

231.3289, 0.3194,
0.3728

 9.7638, 0.3245,
0.4646

279.5775, 0.3191,
0.3700

 5.2426, 0.3233,
0.4992


334.1076, 0.3188,

 2.3903, 0.3232,


0.3675


0.5656


395.3037, 0.3185,
0.3654


 0.8209, 0.2201,
0.7799

 0.0000, 0.0000,
0.0000


 70.8561, 0.3218,
0.3954

 70.8561, 0.3218,
0.3954


 68.1055, 0.3249,
0.4266


 73.9830, 0.3182,
0.3663


 65.7074, 0.3271,
0.4589

 77.4907, 0.3144,
0.3397

 63.6493, 0.3283,
0.4911

 81.3952, 0.3105,
0.3159

 61.9143, 0.3280,
0.5214

 84.9799, 0.3135,
0.3048

■ 60.4841, 0.3261,
0.5478

■ 85.0820, 0.3138,
0.3049

■ 59.3377, 0.3227,
0.5686

■ 58.4513, 0.3180,
0.5826

■ 58.0486, 0.3151,
0.5880

Harmonies

Analogous

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



70.8561, 0.3591, 0.3984



70.8561, 0.3218, 0.3954



70.8561, 0.2836, 0.3706

Triad

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



70.8561, 0.3218, 0.3954



70.8561, 0.2445, 0.2733



70.8561, 0.3739, 0.3207

Complementary

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



70.8561, 0.3218, 0.3954



49.9887, 0.3008, 0.2657

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.



70.8561, 0.3398, 0.2920



70.8561, 0.3218, 0.3954



70.8561, 0.2654, 0.2650

Square

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



70.8561, 0.3218, 0.3954



70.8561, 0.2405, 0.2973



70.8561, 0.2997, 0.2721



70.8561, 0.3907, 0.3528

Rectangle

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



70.8561, 0.3218, 0.3954



70.8561, 0.2626, 0.3462



70.8561, 0.2997, 0.2721



70.8561, 0.3640, 0.3105

Sweetspot

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



70.8592, 0.3218, 0.3954



96.6756, 0.3155, 0.3466



66.6398, 0.3540, 0.3705



20.6337, 0.3157, 0.3482



0.0000, 0.0000, 0.0000



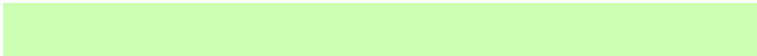
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8592, 0.3218, 0.3954



87.8041, 0.3234, 0.4102



69.0329, 0.3039, 0.3861



16.3123, 0.3164, 0.3530



32.9172, 0.3161, 0.5872



2.4810, 0.3272, 0.5784

Inverse Universe

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



49.9887, 0.3008, 0.2657



57.3244, 0.2979, 0.2525



52.2990, 0.3230, 0.2780



14.3714, 0.3087, 0.3055



7.3179, 0.2415, 0.1104



0.5902, 0.2533, 0.1169

Previews

White Background



This preview shows how the Yxy color 70.8561, 0.3218, 0.3954 looks on a white background.

Color Contrast Check

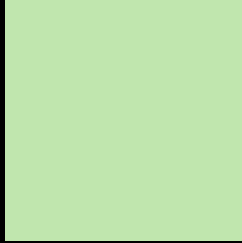
Large Text (above 18pt) WCAG AA × Fail

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 70.8561, 0.3218, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

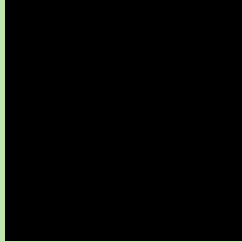
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

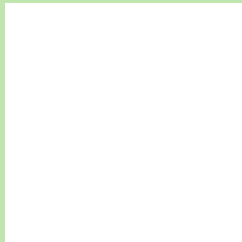
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8561, 0.3218, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 70.8561, 0.3218, 0.3954.

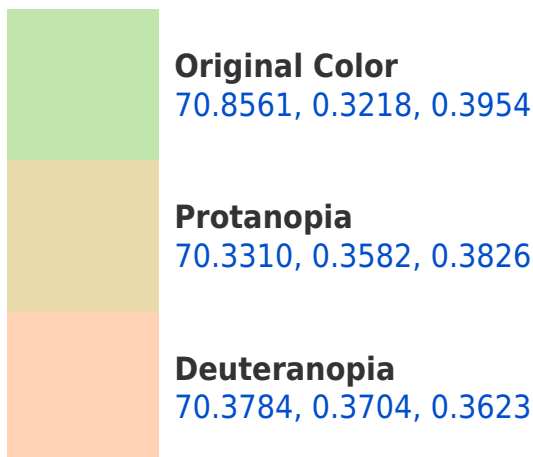


This preview shows how white text looks on a background with the Yxy color 70.8561, 0.3218, 0.3954.

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

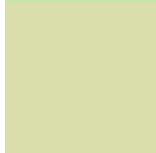
70.5015, 0.2884, 0.3091

Trichromacy



Original Color

70.8561, 0.3218, 0.3954



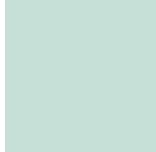
Protanomaly

70.0883, 0.3442, 0.3867



Deuteranomaly

69.7890, 0.3512, 0.3730



Tritanomaly

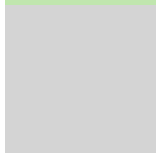
70.2234, 0.3005, 0.3392

Monochromacy



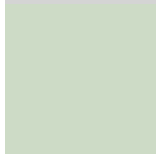
Original Color

70.8561, 0.3218, 0.3954



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.7194, 0.3166, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8561, 0.3218, 0.3954 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(192, 230, 174)` looks like.

```
.text, #text, p{  
    color:rgb(192, 230, 174)  
}
```

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(192, 230, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 230, 174) }
```

Border

The CSS property to change the border of an element to Yxy 70.8561, 0.3218, 0.3954 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(192, 230, 174) }
```

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

```
.border{ border-color:rgb(192, 230, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 230, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 230, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 230, 174); box-shadow:4px 4px 4px 4px rgb(192, 230, 174) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8561, 0.3218, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 230, 174) }
```

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

```
.background{ background-color: rgb(192,  
230, 174) }
```

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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