

# Converting Colors

$Y_{xy}(69.8690, 0.3120, 0.3700)$

Have a look what the booklet for  
Yxy(69.8690, 0.3120, 0.3700)  
contains.

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# Color

**Yxy(70.0814, 0.3115, 0.3701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1E3C0
RGB	193, 227, 192
RGB Percent	76%, 89%, 75%
CMY	0.2430, 0.1098, 0.2470
CMYK	0.15, 0.00, 0.15, 0.11
HSL	118°, 38%, 82%
HSV	118°, 15%, 89%
XYZ	58.9850, 70.0814, 60.2916
YIQ	212.8440, -9.0290, -18.0930

# Conversions

## Conversions Part 2

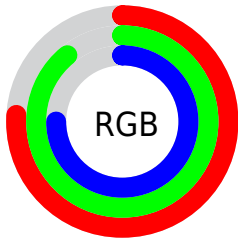
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 227, 226
Decimal	12706752
CIELab	87.04, -17.64, 13.42
CIELCh	87, 22.161, 142.743
Yxy	70.0814, 0.3115, 0.3701
Android (android.graphics.Color)	4290896832 (0xFFC1E3C0)
YUV	212.8440, -10.2761, -17.4032
Hunter-Lab	83.7146, -20.7302, 15.8994

# Details

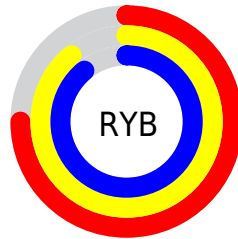
The Yxy color **70.0814, 0.3115, 0.3701** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.4106, 0.3137, 0.2909**, and the grayscale version is **66.5114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6213, 0.3136, 0.3357**, and **36.8290, 0.3111, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **66.4711, 0.3105, 0.4011**, and if you desaturate by 10%, it is **74.2841, 0.3123, 0.3425**.

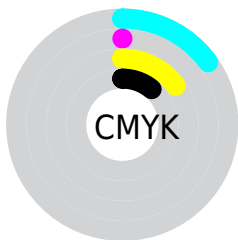
# Distribution



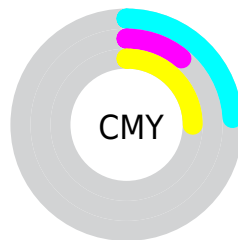
- Red (76%)
- Green (89%)
- Blue (75%)



- Red (75%)
- Yellow (89%)
- Blue (89%)



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




- Cyan (24%)
- Magenta (11%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0814, 0.3115, 0.3701 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 70.0814, 0.3115, 0.3701 by changing the saturation by 10% instead.



 70.0814, 0.3115,  
0.3701

 70.0814, 0.3115,  
0.3701


460.8358, 0.3123,  
0.3504

 51.5929, 0.3112,  
0.3748

 119.3248, 0.3118,  
0.3631

 36.6807, 0.3109,  
0.3806

150.8485, 0.3120,  
0.3605

 24.9604, 0.3104,  
0.3882


187.4861, 0.3121,  
0.3582

 16.0475, 0.3096,  
0.3983

229.6220, 0.3121,  
0.3562

 9.5578, 0.3082,  
0.4126

277.6404, 0.3122,  
0.3545

 5.1068, 0.3058,  
0.4342

331.9260, 0.3122,

 2.3100, 0.3007,

0.3530

0.4704

392.8630, 0.3123,  
0.3516

0.7790, 0.2846,  
0.7154

0.0000, 0.0000,  
0.0000

70.0814, 0.3115,  
0.3701

70.0814, 0.3115,  
0.3701

66.4711, 0.3105,  
0.4011

74.2841, 0.3123,  
0.3425

63.4180, 0.3093,  
0.4349

79.0945, 0.3130,  
0.3183

60.8972, 0.3078,  
0.4705

83.4147, 0.3140,  
0.3019

58.8781, 0.3063,  
0.5059

■ 57.3272, 0.3047,  
0.5387

■ 56.2069, 0.3031,  
0.5661

■ 55.4738, 0.3018,  
0.5858

■ 55.0752, 0.3007,  
0.5967

■ 54.9781, 0.3005,  
0.5996

# Harmonies

## Analogous

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



70.0814, 0.3382, 0.3772



70.0814, 0.3115, 0.3701



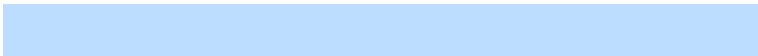
70.0814, 0.2859, 0.3503

# Triad

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



70.0814, 0.3115, 0.3701



70.0814, 0.2682, 0.2875



70.0814, 0.3594, 0.3304

# Complementary

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



70.0814, 0.3115, 0.3701



59.4106, 0.3137, 0.2909

# 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.



70.0814, 0.3391, 0.3087



70.0814, 0.3115, 0.3701



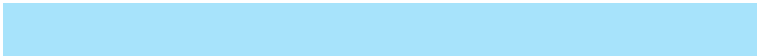
70.0814, 0.2863, 0.2844

# Square

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



70.0814, 0.3115, 0.3701



70.0814, 0.2616, 0.3018



70.0814, 0.3121, 0.2922



70.0814, 0.3666, 0.3527



# Rectangle

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



70.0814, 0.3115, 0.3701



70.0814, 0.2728, 0.3334



70.0814, 0.3121, 0.2922



70.0814, 0.3539, 0.3228

# Sweetspot

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



70.0844, 0.3115, 0.3701



96.9344, 0.3124, 0.3415



74.4349, 0.3360, 0.3659



20.6592, 0.3123, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

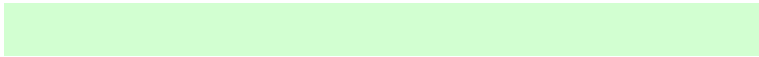


# Same Dimension

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



70.0844, 0.3115, 0.3701



89.8978, 0.3112, 0.3782



70.7129, 0.3006, 0.3506



16.1094, 0.3120, 0.3533



32.0743, 0.3007, 0.5995



2.3774, 0.3025, 0.5980



# Inverse Universe

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



59.4106, 0.3137, 0.2909



73.8728, 0.3138, 0.2841



58.7196, 0.3269, 0.3084



14.5923, 0.3133, 0.3058



12.1423, 0.3136, 0.1501



0.9042, 0.3147, 0.1507



# Previews

## White Background



This preview shows how the Yxy color 70.0814, 0.3115, 0.3701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

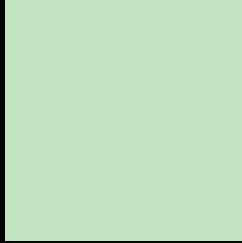
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0814, 0.3115, 0.3701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

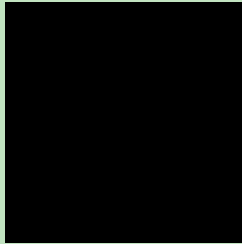
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

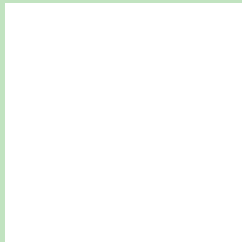
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0814, 0.3115, 0.3701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0814, 0.3115, 0.3701.

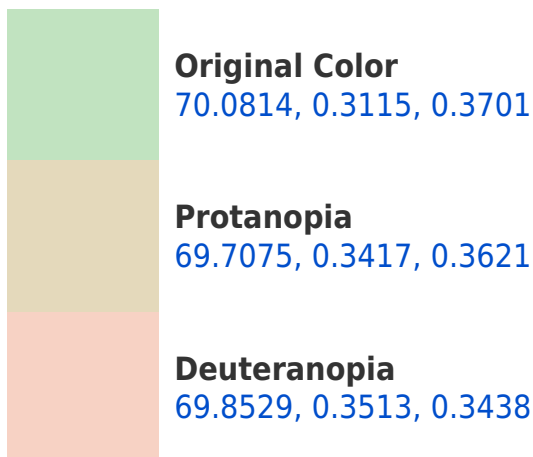


This preview shows how white text looks on a background with the Yxy color 70.0814, 0.3115, 0.3701.

# 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

70.3035, 0.2884, 0.3101

# Trichromacy



**Original Color**

70.0814, 0.3115, 0.3701

**Protanomaly**

69.8341, 0.3298, 0.3652

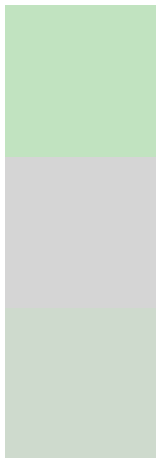
**Deuteranomaly**

69.3828, 0.3354, 0.3522

**Tritanomaly**

70.0016, 0.2968, 0.3312

# Monochromacy



**Original Color**

70.0814, 0.3115, 0.3701

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.6724, 0.3127, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0814, 0.3115, 0.3701 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, 227, 192)` looks like.

```
.text, #text, p{  
    color:rgb(193, 227, 192)  
}
```

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, 227, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 227, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0814, 0.3115, 0.3701 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, 227, 192) }
```

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

```
.border{ border-color:rgb(193, 227, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 227, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 227, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 227, 192); box-shadow:4px 4px 4px 4px rgb(193, 227, 192) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0814, 0.3115, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 227, 192) }
```

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

```
.background{ background-color: rgb(193,  
227, 192) }
```

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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