

# Converting Colors

$Yxy(70.6655, 0.3221, 0.3701)$

Have a look what the booklet for  
Yxy(70.6655, 0.3221, 0.3701)  
contains.

<b>Yxy(70.5037, 0.3220, 0.3705)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(70.5037, 0.3220, 0.3705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDE1BD
RGB	205, 225, 189
RGB Percent	80%, 88%, 74%
CMY	0.1963, 0.1176, 0.2589
CMYK	0.09, 0.00, 0.16, 0.12
HSL	93°, 38%, 81%
HSV	93°, 16%, 88%
XYZ	61.2745, 70.5037, 58.5152
YIQ	214.9160, -0.3640, -15.4360

# Conversions

## Conversions Part 2

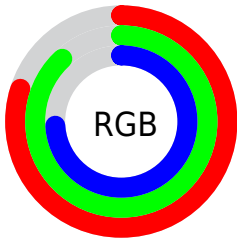
Format	Color
R <sub>YB</sub>	189, 225, 209
Decimal	13492669
CIE Lab	87.24, -13.08, 15.40
CIE LCh	87, 20.206, 130.342
Yxy	70.5037, 0.3220, 0.3705
Android (android.graphics.Color)	4291682749 (0xFFCDE1BD)
YUV	214.9160, -12.7766, -8.6963
Hunter-Lab	83.9665, -16.6811, 17.4581

# Details

The Yxy color **70.5037, 0.3220, 0.3705** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.3922, 0.3020, 0.2879**, and the grayscale version is **67.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **37.1063, 0.3240, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **67.8926, 0.3275, 0.3992**, and if you desaturate by 10%, it is **73.4154, 0.3162, 0.3439**.

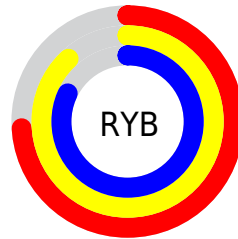
# Distribution



Red (80%)

Green (88%)

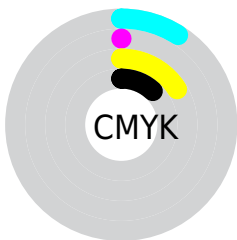
Blue (74%)



Red (74%)

Yellow (88%)

Blue (82%)

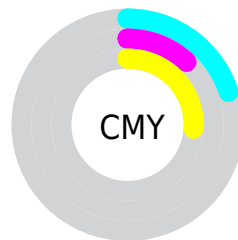


Cyan (9%)

Magenta (0%)

Yellow (16%)

Black (12%)



Cyan (20%)

Magenta (12%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5037, 0.3220, 0.3705 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 70.5037, 0.3220, 0.3705 by changing the saturation by 10% instead.




 70.5037, 0.3220,  
0.3705

 70.5037, 0.3220,  
0.3705

462.3166, 0.3179,  
0.3507

 51.9373, 0.3229,  
0.3752


 119.9268, 0.3206,  
0.3635

 36.9551, 0.3239,  
0.3810


151.5522, 0.3201,  
0.3609

 25.1727, 0.3252,  
0.3885


188.2995, 0.3196,  
0.3586

 16.2058, 0.3268,  
0.3985

230.5530, 0.3192,  
0.3566

 9.6699, 0.3287,  
0.4124

278.6970, 0.3188,  
0.3548

 5.1806, 0.3311,  
0.4333

333.1160, 0.3185,

 2.3536, 0.3334,

0.3533

0.4675

394.1944, 0.3182,  
0.3520

0.8019, 0.3558,  
0.6442

0.0000, 0.0000,  
0.0000

70.5037, 0.3220,  
0.3705

70.5037, 0.3220,  
0.3705

67.8926, 0.3275,  
0.3992

73.4154, 0.3162,  
0.3439

65.5626, 0.3324,  
0.4294

76.6283, 0.3104,  
0.3196

63.5058, 0.3364,  
0.4603

80.0581, 0.3056,  
0.2992

61.7105, 0.3390,  
0.4904

82.3420, 0.3141,  
0.2999

■ 60.1638, 0.3399,  
0.5183

■ 58.8515, 0.3387,  
0.5423

■ 57.7577, 0.3355,  
0.5610

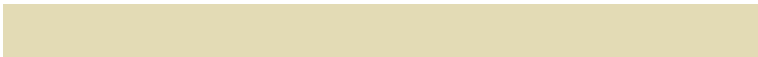
■ 56.8632, 0.3305,  
0.5736

■ 56.5510, 0.3283,  
0.5775

# Harmonies

## Analogous

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



70.5037, 0.3447, 0.3717



70.5037, 0.3220, 0.3705



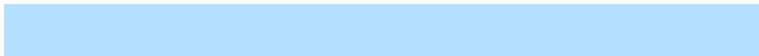
70.5037, 0.2975, 0.3568

# Triad

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



70.5037, 0.3220, 0.3705



70.5037, 0.2682, 0.2955



70.5037, 0.3487, 0.3218

# Complementary

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



70.5037, 0.3220, 0.3705



55.3922, 0.3020, 0.2879

# 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.



70.5037, 0.3270, 0.3034



70.5037, 0.3220, 0.3705



70.5037, 0.2807, 0.2882

# Square

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



70.5037, 0.3220, 0.3705



70.5037, 0.2671, 0.3123



70.5037, 0.3020, 0.2913



70.5037, 0.3607, 0.3426



# Rectangle

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



70.5037, 0.3220, 0.3705



70.5037, 0.2834, 0.3427



70.5037, 0.3020, 0.2913



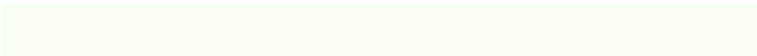
70.5037, 0.3423, 0.3152

# Sweetspot

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



70.5068, 0.3220, 0.3705



97.8833, 0.3156, 0.3414



65.1905, 0.3394, 0.3513



20.8891, 0.3161, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

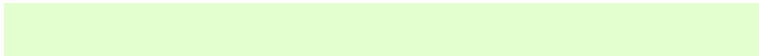


# Same Dimension

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



70.5068, 0.3220, 0.3705



92.4977, 0.3238, 0.3792



68.4316, 0.3096, 0.3697



15.6327, 0.3182, 0.3528



32.6471, 0.3294, 0.5766



2.3153, 0.3415, 0.5670



# Inverse Universe

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



55.3922, 0.3020, 0.2879



69.0435, 0.2996, 0.2794



57.7405, 0.3159, 0.2914



13.6180, 0.3068, 0.3054



5.7313, 0.2143, 0.0954

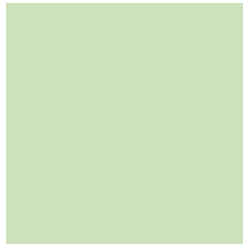


0.4501, 0.2300, 0.1041



# Previews

## White Background



This preview shows how the Yxy color 70.5037, 0.3220, 0.3705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

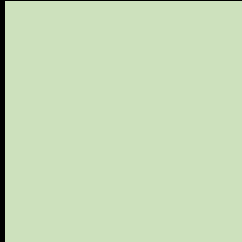
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.5037, 0.3220, 0.3705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

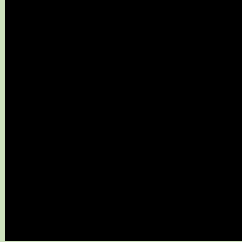
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

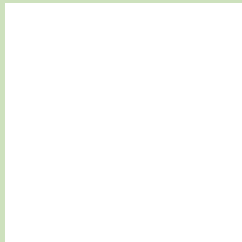
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.5037, 0.3220, 0.3705**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.5037, 0.3220, 0.3705.

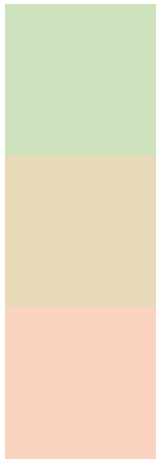


This preview shows how white text looks on a background with the Yxy color 70.5037, 0.3220, 0.3705.

# 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**

70.5037, 0.3220, 0.3705

**Protanopia**

70.4686, 0.3445, 0.3653

**Deuteranopia**

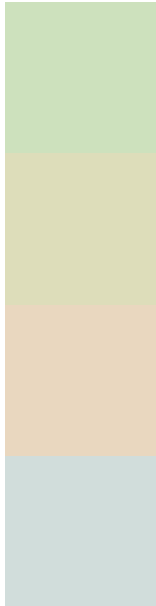
70.0387, 0.3559, 0.3480



## Tritanopia

70.1960, 0.2969, 0.3093

# Trichromacy



**Original Color**

70.5037, 0.3220, 0.3705

**Protanomaly**

70.6302, 0.3364, 0.3681

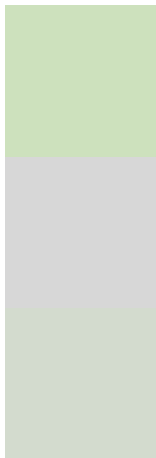
**Deuteranomaly**

69.6861, 0.3431, 0.3552

**Tritanomaly**

70.3827, 0.3056, 0.3312

# Monochromacy



**Original Color**

70.5037, 0.3220, 0.3705

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.9682, 0.3156, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.5037, 0.3220, 0.3705 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, 225, 189)` looks like.

```
.text, #text, p{  
    color:rgb(205, 225, 189)  
}
```

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, 225, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 225, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 70.5037, 0.3220, 0.3705 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, 225, 189) }
```

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

```
.border{ border-color:rgb(205, 225, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 225, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 225, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 225, 189);  
box-shadow:4px 4px 4px 4px rgb(205, 225,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.5037, 0.3220, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 225, 189) }
```

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

```
.background{ background-color: rgb(205,  
225, 189) }
```

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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