

# Converting Colors

$Yxy(75.1261, 0.3208, 0.3595)$

Have a look what the booklet for  
Yxy(75.1261, 0.3208, 0.3595)  
contains.

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# Color

**Yxy(74.9018, 0.3210, 0.3589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E5CA
RGB	216, 229, 202
RGB Percent	85%, 90%, 79%
CMY	0.1531, 0.1019, 0.2078
CMYK	0.06, 0.00, 0.12, 0.10
HSL	89°, 34%, 85%
HSV	89°, 12%, 90%
XYZ	66.9921, 74.9018, 66.8043
YIQ	222.0350, 0.9190, -11.1530

# Conversions

## Conversions Part 2

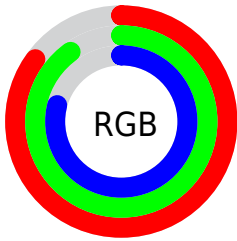
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 229, 215
Decimal	14214602
CIE Lab	89.35, -9.11, 11.69
CIE LCh	89, 14.818, 127.940
Yxy	74.9018, 0.3210, 0.3589
Android (android.graphics.Color)	4292404682 (0xFFD8E5CA)
YUV	222.0350, -9.8773, -5.2927
Hunter-Lab	86.5458, -13.2845, 14.8164

# Details

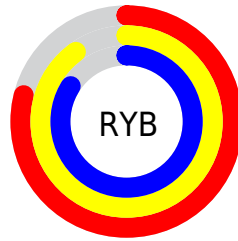
The Yxy color **74.9018, 0.3210, 0.3589** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.3544, 0.3036, 0.2991**, and the grayscale version is **73.1423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.9873, 0.3226, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **72.2715, 0.3279, 0.3865**, and if you desaturate by 10%, it is **77.8129, 0.3140, 0.3334**.

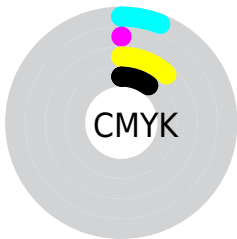
# Distribution



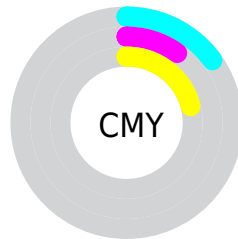
- Red (85%)
- Green (90%)
- Blue (79%)



- Red (79%)
- Yellow (90%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9018, 0.3210, 0.3589 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 74.9018, 0.3210, 0.3589 by changing the saturation by 10% instead.



■ 74.9018, 0.3210,  
0.3589

■ 74.9018, 0.3210,  
0.3589

477.5800, 0.3173,  
0.3449

■ 55.5324, 0.3218,  
0.3621

126.1733, 0.3197,  
0.3540

■ 39.8282, 0.3228,  
0.3662

158.8443, 0.3192,  
0.3521

■ 27.4046, 0.3240,  
0.3713

196.7180, 0.3188,  
0.3505

■ 17.8773, 0.3256,  
0.3781

240.1787, 0.3184,  
0.3491

■ 10.8619, 0.3276,  
0.3874

289.6108, 0.3181,  
0.3478

■ 5.9741, 0.3303,  
0.4010


345.3988, 0.3178,

■ 2.8293, 0.3340,


0.3468


0.4229


407.9271, 0.3175,  
0.3458


 1.0433, 0.3600,  
0.4935


 0.0000, 0.0000,  
0.0000


 74.9018, 0.3210,  
0.3589


 74.9018, 0.3210,  
0.3589


 72.2715, 0.3279,  
0.3865


 77.8129, 0.3140,  
0.3334


 69.9031, 0.3344,  
0.4155

 81.0040, 0.3070,  
0.3100

 67.7898, 0.3401,  
0.4454

 83.4332, 0.3100,  
0.3036

 65.9212, 0.3445,  
0.4749

 84.5263, 0.3139,  
0.3039

■ 64.2858, 0.3472,  
0.5027

■ 62.8708, 0.3478,  
0.5273

■ 61.6620, 0.3462,  
0.5472

■ 60.6428, 0.3424,  
0.5617

■ 59.9274, 0.3380,  
0.5698

# Harmonies

## Analogous

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



74.9018, 0.3369, 0.3593



74.9018, 0.3210, 0.3589



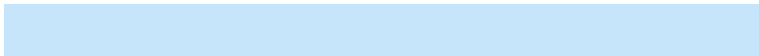
74.9018, 0.3032, 0.3498

# Triad

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



74.9018, 0.3210, 0.3589



74.9018, 0.2800, 0.3057



74.9018, 0.3375, 0.3228

# Complementary

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



74.9018, 0.3210, 0.3589



62.3544, 0.3036, 0.2991

# 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.



74.9018, 0.3216, 0.3095



74.9018, 0.3210, 0.3589



74.9018, 0.2886, 0.2996

# Square

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



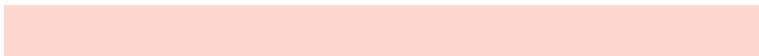
74.9018, 0.3210, 0.3589



74.9018, 0.2799, 0.3185



74.9018, 0.3037, 0.3011



74.9018, 0.3467, 0.3380



# Rectangle

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



74.9018, 0.3210, 0.3589



74.9018, 0.2927, 0.3402



74.9018, 0.3037, 0.3011



74.9018, 0.3328, 0.3180

# Sweetspot

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



74.9050, 0.3210, 0.3589



98.4381, 0.3155, 0.3389



69.3261, 0.3322, 0.3428



21.0083, 0.3161, 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.



74.9050, 0.3210, 0.3589



94.7860, 0.3226, 0.3650



72.9936, 0.3119, 0.3597



16.4538, 0.3194, 0.3527



34.3310, 0.3391, 0.5689



2.5922, 0.3500, 0.5603



# Inverse Universe

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



62.3544, 0.3036, 0.2991



75.9651, 0.3017, 0.2929



64.4128, 0.3134, 0.3000



14.2269, 0.3056, 0.3052



5.2224, 0.1993, 0.0871

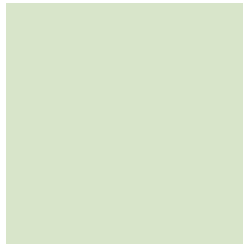


0.4410, 0.2153, 0.0960



# Previews

## White Background



This preview shows how the Yxy color 74.9018, 0.3210, 0.3589 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 74.9018, 0.3210, 0.3589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

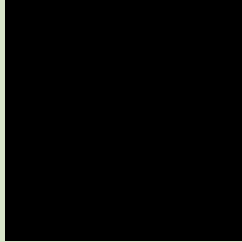
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

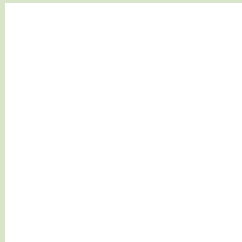
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9018, 0.3210, 0.3589**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9018, 0.3210, 0.3589.

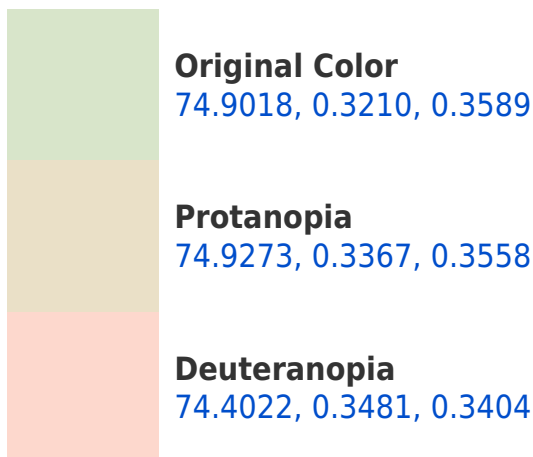


This preview shows how white text looks on a background with the Yxy color 74.9018, 0.3210, 0.3589.

# 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

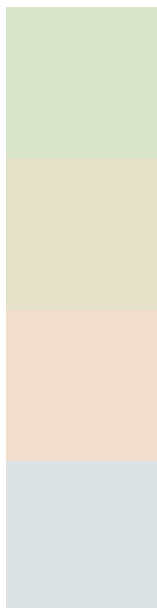




## Tritanopia

74.6558, 0.3005, 0.3100

# Trichromacy



## Original Color

74.9018, 0.3210, 0.3589

## Protanomaly

74.8937, 0.3306, 0.3572

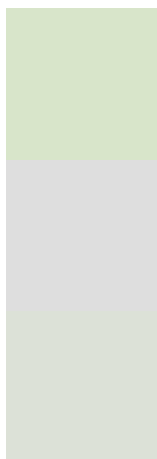
## Deuteranomaly

74.5978, 0.3381, 0.3470

## Tritanomaly

74.6121, 0.3080, 0.3268

# Monochromacy



## Original Color

74.9018, 0.3210, 0.3589

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.9724, 0.3157, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9018, 0.3210, 0.3589 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(216, 229, 202)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 202)  
}
```

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(216, 229, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9018, 0.3210, 0.3589 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(216, 229, 202) }
```

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

```
.border{ border-color:rgb(216, 229, 202) }
```

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

Here you see how a box with a 4 pixel rgb(216, 229, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 202);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9018, 0.3210, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 202) }
```

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

```
.background{ background-color: rgb(216,  
229, 202) }
```

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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