

# Converting Colors

$Yxy(74.8802, 0.3201, 0.3602)$

Have a look what the booklet for  
Yxy(74.8802, 0.3201, 0.3602)  
contains.

<b>Yxy(75.1068, 0.3202, 0.3612)</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(75.1068, 0.3202, 0.3612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E6C9
RGB	214, 230, 201
RGB Percent	84%, 90%, 79%
CMY	0.1606, 0.0981, 0.2117
CMYK	0.07, 0.00, 0.13, 0.10
HSL	93°, 37%, 85%
HSV	93°, 13%, 90%
XYZ	66.5814, 75.1068, 66.2487
YIQ	221.9100, -0.2270, -12.4110

# Conversions

## Conversions Part 2

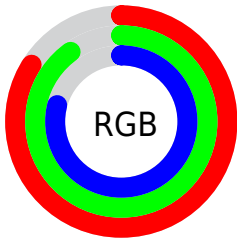
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 230, 217
Decimal	14083785
CIE <sub>Lab</sub>	89.44, -10.44, 12.32
CIE <sub>LCh</sub>	89, 16.149, 130.256
Yxy	75.1068, 0.3202, 0.3612
Android (android.graphics.Color)	4292273865 (0xFFD6E6C9)
YUV	221.9100, -10.3086, -6.9371
Hunter-Lab	86.6642, -14.5263, 15.3419

# Details

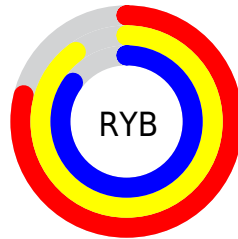
The Yxy color **75.1068, 0.3202, 0.3612** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.2330, 0.3044, 0.2970**, and the grayscale version is **73.0613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7496, 0.3216, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **72.2765, 0.3260, 0.3892**, and if you desaturate by 10%, it is **78.2535, 0.3143, 0.3353**.

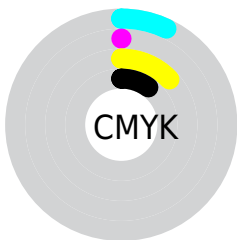
# Distribution



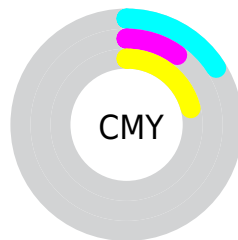
- Red (84%)
- Green (90%)
- Blue (79%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (16%)
- Magenta (10%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1068, 0.3202, 0.3612 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 75.1068, 0.3202, 0.3612 by changing the saturation by 10% instead.




 75.1068, 0.3202,  
0.3612

 75.1068, 0.3202,  
0.3612


478.2846, 0.3169,  
0.3461

 55.7004, 0.3209,  
0.3647


126.4635, 0.3191,  
0.3559

 39.9628, 0.3218,  
0.3690


159.1826, 0.3186,  
0.3539

 27.5095, 0.3228,  
0.3746


197.1081, 0.3183,  
0.3521

 17.9562, 0.3242,  
0.3819

240.6243, 0.3179,  
0.3506

 10.9186, 0.3259,  
0.3920

290.1157, 0.3176,  
0.3493

 6.0121, 0.3281,  
0.4068

345.9666, 0.3173,

 2.8524, 0.3310,

0.3481

408.5614, 0.3171,  
0.3470

0.4305

1.0552, 0.3568,  
0.5096

0.0000, 0.0000,  
0.0000

75.1068, 0.3202,  
0.3612

75.1068, 0.3202,  
0.3612

72.2765, 0.3260,  
0.3892

78.2535, 0.3143,  
0.3353

69.7424, 0.3312,  
0.4190

81.7169, 0.3084,  
0.3119

67.4965, 0.3357,  
0.4497

84.5053, 0.3118,  
0.3047

65.5270, 0.3389,  
0.4802

85.0694, 0.3138,  
0.3048

■ 63.8207, 0.3405,  
0.5090

■ 62.3635, 0.3401,  
0.5343

■ 61.1394, 0.3376,  
0.5548

■ 60.1298, 0.3332,  
0.5694

■ 59.5013, 0.3291,  
0.5769

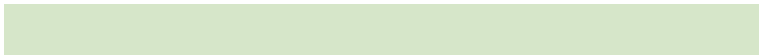
# Harmonies

## Analogous

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



75.1068, 0.3379, 0.3623



75.1068, 0.3202, 0.3612



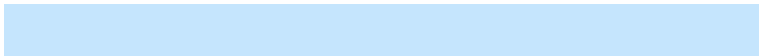
75.1068, 0.3009, 0.3506

# Triad

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



75.1068, 0.3202, 0.3612



75.1068, 0.2776, 0.3028



75.1068, 0.3408, 0.3234

# Complementary

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



75.1068, 0.3202, 0.3612



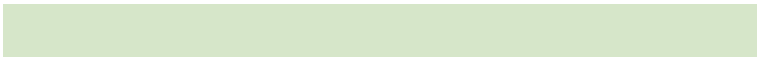
62.2330, 0.3044, 0.2970

# 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.



75.1068, 0.3239, 0.3087



75.1068, 0.3202, 0.3612



75.1068, 0.2875, 0.2969

# Square

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



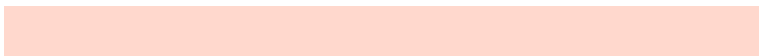
75.1068, 0.3202, 0.3612



75.1068, 0.2767, 0.3162



75.1068, 0.3043, 0.2991



75.1068, 0.3501, 0.3399



# Rectangle

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



75.1068, 0.3202, 0.3612



75.1068, 0.2898, 0.3398



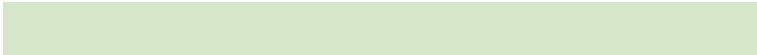
75.1068, 0.3043, 0.2991



75.1068, 0.3358, 0.3182

# Sweetspot

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



75.1100, 0.3202, 0.3612



98.3117, 0.3151, 0.3389



70.6382, 0.3333, 0.3464



20.9763, 0.3156, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

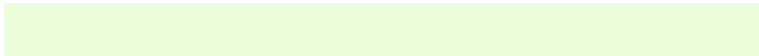


# Same Dimension

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



75.1100, 0.3202, 0.3612



94.0023, 0.3217, 0.3680



73.2936, 0.3103, 0.3604



16.4050, 0.3183, 0.3528



33.7591, 0.3302, 0.5760



2.5492, 0.3416, 0.5670



# Inverse Universe

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



62.2330, 0.3044, 0.2970



74.8579, 0.3025, 0.2904



64.2294, 0.3152, 0.2995



14.2759, 0.3066, 0.3053



5.8417, 0.2127, 0.0945

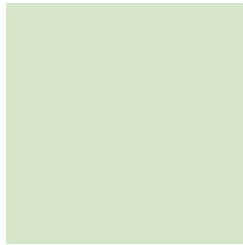


0.4867, 0.2277, 0.1028



# Previews

## White Background



This preview shows how the Yxy color 75.1068, 0.3202, 0.3612 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 75.1068, 0.3202, 0.3612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

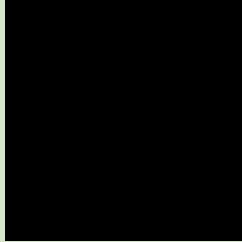
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

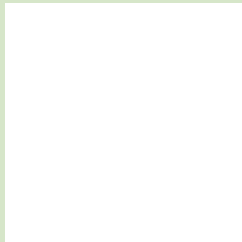
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.1068, 0.3202, 0.3612**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1068, 0.3202, 0.3612.

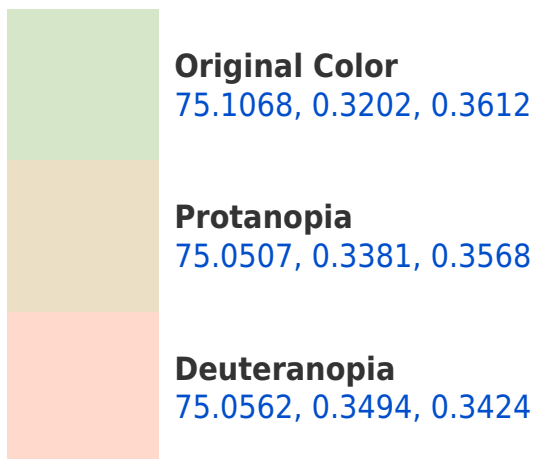


This preview shows how white text looks on a background with the Yxy color 75.1068, 0.3202, 0.3612.

# 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

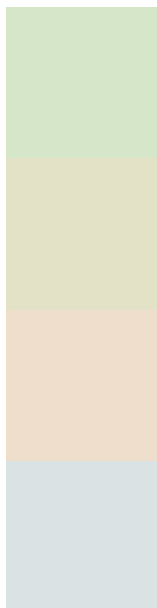




## Tritanopia

74.9378, 0.2986, 0.3099

# Trichromacy



## Original Color

75.1068, 0.3202, 0.3612

## Protanomaly

74.8471, 0.3312, 0.3584

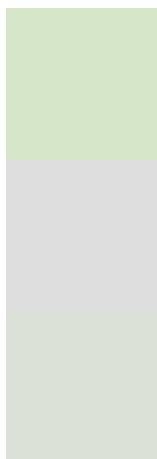
## Deuteranomaly

74.9051, 0.3379, 0.3491

## Tritanomaly

74.8442, 0.3066, 0.3279

# Monochromacy



## Original Color

75.1068, 0.3202, 0.3612

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.7655, 0.3157, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1068, 0.3202, 0.3612 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(214, 230, 201)` looks like.

```
.text, #text, p{  
    color:rgb(214, 230, 201)  
}
```

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(214, 230, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 230, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1068, 0.3202, 0.3612 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(214, 230, 201) }
```

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

```
.border{ border-color:rgb(214, 230, 201) }
```

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

Here you see how a box with a 4 pixel rgb(214, 230, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 230, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 230, 201);  
box-shadow:4px 4px 4px 4px rgb(214, 230,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1068, 0.3202, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 230, 201) }
```

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

```
.background{ background-color: rgb(214,  
230, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor