

# Converting Colors

$Yxy(74.7601, 0.3125, 0.3556)$

Have a look what the booklet for  
Yxy(74.7601, 0.3125, 0.3556)  
contains.

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# Color

**Yxy(74.5085, 0.3122, 0.3547)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D0E6CF
RGB	208, 230, 207
RGB Percent	82%, 90%, 81%
CMY	0.1842, 0.0981, 0.1881
CMYK	0.10, 0.00, 0.10, 0.10
HSL	117°, 31%, 86%
HSV	117°, 10%, 90%
XYZ	65.5809, 74.5085, 69.9712
YIQ	220.8000, -5.7290, -11.8170

# Conversions

## Conversions Part 2

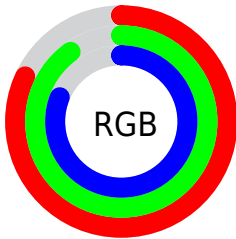
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 230, 229
Decimal	13690575
CIE <sub>Lab</sub>	89.16, -11.46, 8.72
CIE <sub>LCh</sub>	89, 14.404, 142.723
Yxy	74.5085, 0.3122, 0.3547
Android (android.graphics.Color)	4291880655 (0xFFD0E6CF)
YUV	220.8000, -6.8034, -11.2256
Hunter-Lab	86.3183, -15.4404, 12.3613

# Details

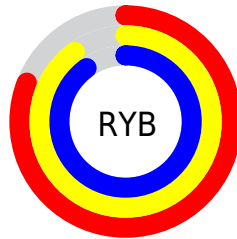
The Yxy color **74.5085, 0.3122, 0.3547** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0058, 0.3131, 0.3045**, and the grayscale version is **72.2169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.4420, 0.3122, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **70.4973, 0.3115, 0.3838**, and if you desaturate by 10%, it is **79.1318, 0.3127, 0.3290**.

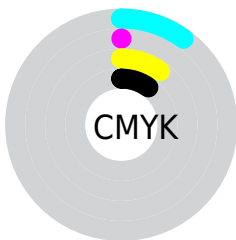
# Distribution



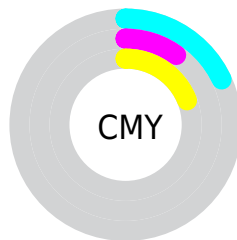
- Red (82%)
- Green (90%)
- Blue (81%)



- Red (81%)
- Yellow (90%)
- Blue (90%)



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




- Cyan (18%)
- Magenta (10%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5085, 0.3122, 0.3547 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 74.5085, 0.3122, 0.3547 by changing the saturation by 10% instead.




 74.5085, 0.3122,  
0.3547

 74.5085, 0.3122,  
0.3547


476.2265, 0.3125,  
0.3426

 55.2103, 0.3121,  
0.3575

125.6164, 0.3123,  
0.3505

 39.5701, 0.3120,  
0.3610


158.1949, 0.3124,  
0.3489

 27.2036, 0.3118,  
0.3654


195.9689, 0.3124,  
0.3475

 17.7262, 0.3115,  
0.3713

239.3230, 0.3125,  
0.3462

 10.7536, 0.3110,  
0.3795

288.6413, 0.3125,  
0.3452

 5.9014, 0.3101,  
0.3914

344.3085, 0.3125,

 2.7852, 0.3084,

0.3442

0.4109

406.7087, 0.3125,  
0.3434

■ 1.0206, 0.3111,  
0.4640

■ 0.0000, 0.0000,  
0.0000

■ 74.5085, 0.3122,  
0.3547

■ 74.5085, 0.3122,  
0.3547

■ 70.4973, 0.3115,  
0.3838

■ 79.1318, 0.3127,  
0.3290

■ 67.0635, 0.3106,  
0.4161

■ 84.3813, 0.3131,  
0.3066

■ 64.1834, 0.3094,  
0.4509

■ 85.0706, 0.3138,  
0.3048

■ 61.8280, 0.3081,  
0.4865

■ 59.9657, 0.3065,  
0.5210

■ 58.5615, 0.3048,  
0.5517

■ 57.5756, 0.3032,  
0.5758

■ 56.9617, 0.3017,  
0.5916

■ 56.6561, 0.3007,  
0.5994

# Harmonies

## Analogous

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



74.5085, 0.3292, 0.3594



74.5085, 0.3122, 0.3547



74.5085, 0.2957, 0.3425

# Triad

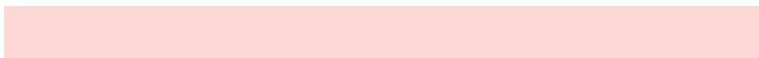
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5085, 0.3122, 0.3547



74.5085, 0.2840, 0.3025



74.5085, 0.3423, 0.3302

# Complementary

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



74.5085, 0.3122, 0.3547



67.0058, 0.3131, 0.3045

# 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.



74.5085, 0.3296, 0.3159



74.5085, 0.3122, 0.3547



74.5085, 0.2959, 0.3001

# Square

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



74.5085, 0.3122, 0.3547



74.5085, 0.2797, 0.3120



74.5085, 0.3125, 0.3051



74.5085, 0.3469, 0.3446



# Rectangle

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



74.5085, 0.3122, 0.3547



74.5085, 0.2871, 0.3320



74.5085, 0.3125, 0.3051



74.5085, 0.3388, 0.3253

# Sweetspot

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



74.5117, 0.3122, 0.3547



98.1562, 0.3126, 0.3364



77.2817, 0.3277, 0.3524



20.9066, 0.3125, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

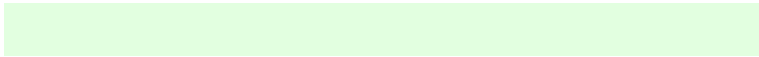


# Same Dimension

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



74.5117, 0.3122, 0.3547



93.0512, 0.3121, 0.3605



74.8880, 0.3051, 0.3430



16.1192, 0.3122, 0.3532



32.0908, 0.3010, 0.5992



2.3821, 0.3037, 0.5970



# Inverse Universe

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



67.0058, 0.3131, 0.3045



81.7522, 0.3132, 0.2993



66.6088, 0.3212, 0.3154



14.5812, 0.3131, 0.3058



11.8531, 0.3100, 0.1481

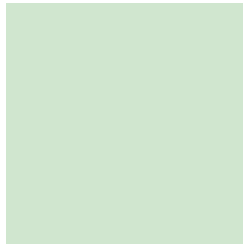


0.8860, 0.3117, 0.1491



# Previews

## White Background



This preview shows how the Yxy color 74.5085, 0.3122, 0.3547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

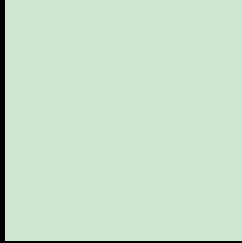
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5085, 0.3122, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

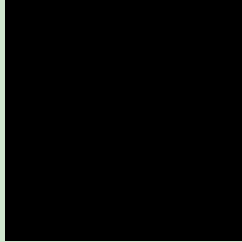
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

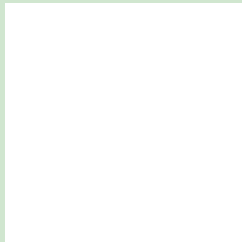
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5085, 0.3122, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5085, 0.3122, 0.3547.

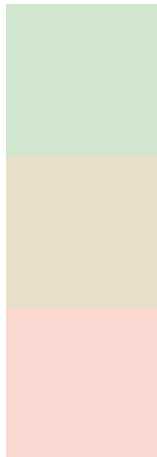


This preview shows how white text looks on a background with the Yxy color 74.5085, 0.3122, 0.3547.

# 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

74.5085, 0.3122, 0.3547

### Protanopia

74.2430, 0.3326, 0.3505

### Deuteranopia

74.0889, 0.3422, 0.3353



## Tritanopia

74.6176, 0.2940, 0.3097

# Trichromacy



**Original Color**

74.5085, 0.3122, 0.3547

**Protanomaly**

74.4403, 0.3250, 0.3530

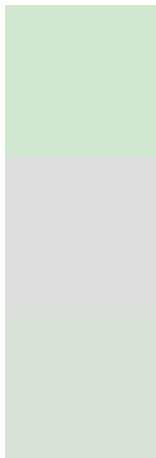
**Deuteranomaly**

73.9785, 0.3309, 0.3418

**Tritanomaly**

74.6484, 0.3006, 0.3257

# Monochromacy



**Original Color**

74.5085, 0.3122, 0.3547

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.8681, 0.3123, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5085, 0.3122, 0.3547 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(208, 230, 207)` looks like.

```
.text, #text, p{  
    color:rgb(208, 230, 207)  
}
```

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(208, 230, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 230, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5085, 0.3122, 0.3547 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(208, 230, 207) }
```

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

```
.border{ border-color:rgb(208, 230, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 230, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 230, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 230, 207);  
box-shadow:4px 4px 4px 4px rgb(208, 230,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5085, 0.3122, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 230, 207) }
```

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

```
.background{ background-color: rgb(208,  
230, 207) }
```

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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