

# Converting Colors

$Yxy(76.1175, 0.3080, 0.3611)$

Have a look what the booklet for  
Yxy(76.1175, 0.3080, 0.3611)  
contains.

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# Color

**Yxy(76.2904, 0.3079, 0.3617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9EBCE
RGB	201, 235, 206
RGB Percent	79%, 92%, 81%
CMY	0.2116, 0.0784, 0.1922
CMYK	0.14, 0.00, 0.12, 0.08
HSL	129°, 46%, 85%
HSV	129°, 14%, 92%
XYZ	64.9428, 76.2904, 69.6885
YIQ	221.5280, -10.9550, -16.2270

# Conversions

## Conversions Part 2

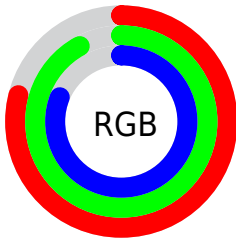
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 231, 235
Decimal	13233102
CIE <sub>Lab</sub>	89.99, -16.48, 10.39
CIE <sub>LCh</sub>	90, 19.486, 147.775
Yxy	76.2904, 0.3079, 0.3617
Android (android.graphics.Color)	4291423182 (0xFFC9EBCE)
YUV	221.5280, -7.6553, -18.0031
Hunter-Lab	87.3444, -20.1333, 13.8360

# Details

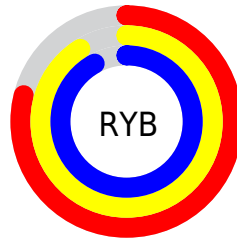
The Yxy color **76.2904, 0.3079, 0.3617** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.1689, 0.3179, 0.2984**, and the grayscale version is **72.7634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7102, 0.3066, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **72.3672, 0.3045, 0.3879**, and if you desaturate by 10%, it is **80.8429, 0.3113, 0.3384**.

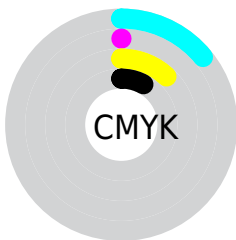
# Distribution



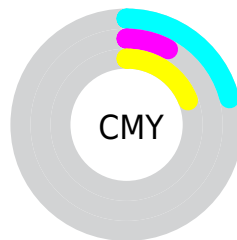
- Red (79%)
- Green (92%)
- Blue (81%)



- Red (79%)
- Yellow (91%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (8%)




- Cyan (21%)
- Magenta (8%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2904, 0.3079, 0.3617 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 76.2904, 0.3079, 0.3617 by changing the saturation by 10% instead.



 76.2904, 0.3079,  
0.3617

 76.2904, 0.3079,  
0.3617


482.3412, 0.3103,  
0.3463

 56.6707, 0.3073,  
0.3653


128.1373, 0.3088,  
0.3563

 40.7409, 0.3066,  
0.3697


161.1333, 0.3091,  
0.3542

 28.1167, 0.3056,  
0.3754


199.3568, 0.3094,  
0.3525

 18.4136, 0.3043,  
0.3829

243.1922, 0.3096,  
0.3509

 11.2474, 0.3024,  
0.3933

293.0240, 0.3098,  
0.3496

 6.2335, 0.2994,  
0.4087

349.2365, 0.3100,

 2.9876, 0.2941,

0.3484

412.2141, 0.3101,  
0.3473

0.4335

1.1252, 0.2882,  
0.4995

0.0000, 0.0000,  
0.0000

76.2904, 0.3079,  
0.3617

76.2904, 0.3079,  
0.3617

72.3672, 0.3045,  
0.3879

80.8429, 0.3113,  
0.3384

69.0364, 0.3013,  
0.4168

86.0406, 0.3145,  
0.3180

66.2718, 0.2984,  
0.4478

87.8949, 0.3136,  
0.3097

64.0418, 0.2961,  
0.4798

■ 62.3115, 0.2946,  
0.5112

■ 61.0416, 0.2941,  
0.5401

■ 60.1871, 0.2946,  
0.5644

■ 59.6934, 0.2962,  
0.5824

■ 59.5320, 0.2971,  
0.5896

# Harmonies

## Analogous

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



76.2904, 0.3310, 0.3699



76.2904, 0.3079, 0.3617



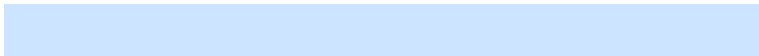
76.2904, 0.2867, 0.3437

# Triad

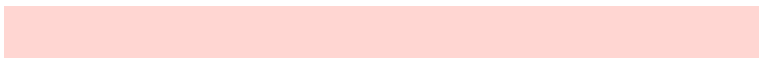
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2904, 0.3079, 0.3617



76.2904, 0.2765, 0.2923



76.2904, 0.3545, 0.3337

# Complementary

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



76.2904, 0.3079, 0.3617



65.1689, 0.3179, 0.2984

# 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.



76.2904, 0.3388, 0.3145



76.2904, 0.3079, 0.3617



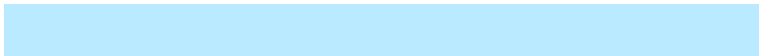
76.2904, 0.2935, 0.2911

# Square

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



76.2904, 0.3079, 0.3617



76.2904, 0.2690, 0.3032



76.2904, 0.3163, 0.2992



76.2904, 0.3584, 0.3525



# Rectangle

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



76.2904, 0.3079, 0.3617



76.2904, 0.2763, 0.3292



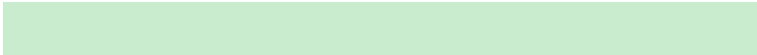
76.2904, 0.3163, 0.2992



76.2904, 0.3504, 0.3271

# Sweetspot

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



76.2936, 0.3079, 0.3617



97.5680, 0.3114, 0.3375



80.5345, 0.3312, 0.3652



20.7887, 0.3111, 0.3391



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

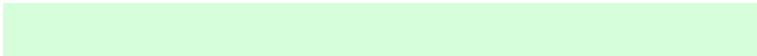


# Same Dimension

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



76.2936, 0.3079, 0.3617



90.5256, 0.3070, 0.3683



77.1411, 0.2980, 0.3428



16.8979, 0.3096, 0.3497



33.1445, 0.2966, 0.5878



2.6138, 0.2907, 0.5666



# Inverse Universe

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



65.1689, 0.3179, 0.2984



74.9916, 0.3190, 0.2926



64.2822, 0.3301, 0.3156



15.2738, 0.3160, 0.3091



12.1845, 0.3615, 0.1765

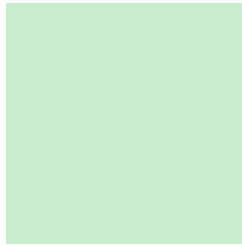


0.9671, 0.3550, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 76.2904, 0.3079, 0.3617 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

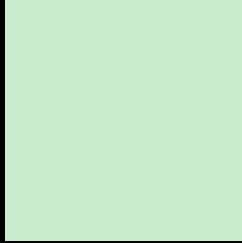
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2904, 0.3079, 0.3617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

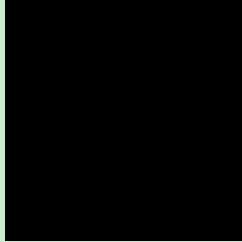
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

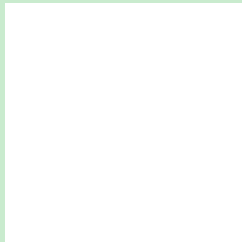
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2904, 0.3079, 0.3617**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2904, 0.3079, 0.3617.

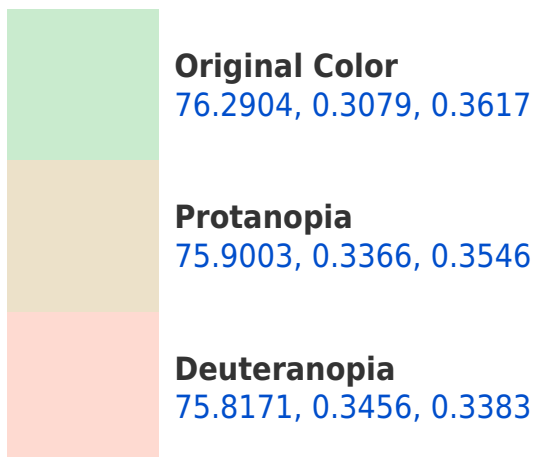


This preview shows how white text looks on a background with the Yxy color 76.2904, 0.3079, 0.3617.

# 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

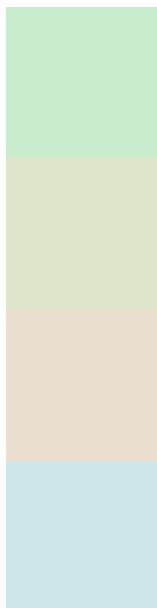




## Tritanopia

76.1639, 0.2879, 0.3097

# Trichromacy



## Original Color

76.2904, 0.3079, 0.3617

## Protanomaly

76.0384, 0.3253, 0.3573

## Deuteranomaly

75.5275, 0.3312, 0.3460

## Tritanomaly

75.9572, 0.2949, 0.3279

# Monochromacy



## Original Color

76.2904, 0.3079, 0.3617

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

74.1922, 0.3108, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2904, 0.3079, 0.3617 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(201, 235, 206)` looks like.

```
.text, #text, p{  
    color:rgb(201, 235, 206)  
}
```

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(201, 235, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 235, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2904, 0.3079, 0.3617 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(201, 235, 206) }
```

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

```
.border{ border-color:rgb(201, 235, 206) }
```

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

Here you see how a box with a 4 pixel rgb(201, 235, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 235, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 235, 206);  
box-shadow:4px 4px 4px 4px rgb(201, 235,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2904, 0.3079, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 235, 206) }
```

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

```
.background{ background-color: rgb(201,  
235, 206) }
```

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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