

# Converting Colors

$Yxy(69.9879, 0.3103, 0.3665)$

Have a look what the booklet for  
Yxy(69.9879, 0.3103, 0.3665)  
contains.

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# Color

**Yxy(69.8022, 0.3103, 0.3653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E2C3
RGB	194, 226, 195
RGB Percent	76%, 89%, 76%
CMY	0.2393, 0.1137, 0.2352
CMYK	0.14, 0.00, 0.14, 0.11
HSL	122°, 36%, 82%
HSV	122°, 14%, 89%
XYZ	59.2927, 69.8022, 61.9870
YIQ	212.8980, -9.1210, -16.4250

# Conversions

## Conversions Part 2

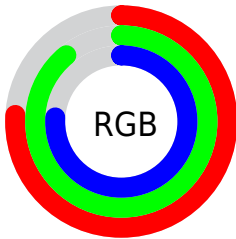
Format	Color
<a href="#">RYB</a>	<a href="#">194, 225, 226</a>
Decimal	<a href="#">12772035</a>
CIELab	<a href="#">86.90, -16.31, 11.65</a>
CIELCh	<a href="#">87, 20.044, 144.448</a>
Yxy	<a href="#">69.8022, 0.3103, 0.3653</a>
Android (android.graphics.Color)	<a href="#">4290962115 (0xFFC2E2C3)</a>
YUV	<a href="#">212.8980, -8.8237, -16.5735</a>
Hunter-Lab	<a href="#">83.5477, -19.5294, 14.4941</a>

# Details

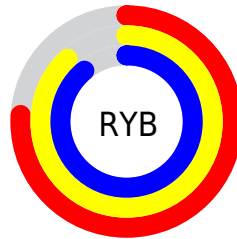
The Yxy color **69.8022, 0.3103, 0.3653** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.1809, 0.3151, 0.2952**, and the grayscale version is **66.5328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0575, 0.3120, 0.3319**, and **36.6244, 0.3096, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **66.1209, 0.3084, 0.3950**, and if you desaturate by 10%, it is **74.0891, 0.3120, 0.3390**.

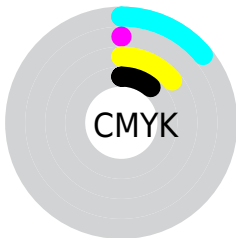
# Distribution



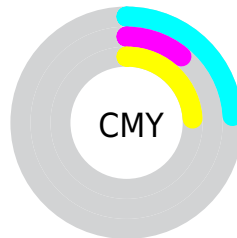
- Red (76%)
- Green (89%)
- Blue (76%)



- Red (76%)
- Yellow (88%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)




- Cyan (24%)
- Magenta (11%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8022, 0.3103, 0.3653 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 69.8022, 0.3103, 0.3653 by changing the saturation by 10% instead.




 69.8022, 0.3103,  
0.3653

 69.8022, 0.3103,  
0.3653


459.8552, 0.3116,  
0.3480

 51.3653, 0.3099,  
0.3694


 118.9266, 0.3108,  
0.3592

 36.4994, 0.3095,  
0.3746


150.3830, 0.3110,  
0.3568

 24.8201, 0.3088,  
0.3812


186.9479, 0.3111,  
0.3548

 15.9431, 0.3078,  
0.3901

229.0058, 0.3113,  
0.3531

 9.4839, 0.3064,  
0.4027

276.9411, 0.3114,  
0.3515

 5.0581, 0.3038,  
0.4217

331.1381, 0.3115,

 2.2814, 0.2988,

0.3502

391.9814, 0.3116,  
0.3490

0.4535

0.7638, 0.2958,  
0.6890

0.0000, 0.0000,  
0.0000

69.8022, 0.3103,  
0.3653

69.8022, 0.3103,  
0.3653

66.1209, 0.3084,  
0.3950

74.0891, 0.3120,  
0.3390

63.0095, 0.3065,  
0.4276

78.9978, 0.3136,  
0.3160

60.4423, 0.3046,  
0.4623

82.8772, 0.3140,  
0.3009

58.3880, 0.3028,  
0.4974

■ 56.8121, 0.3013,  
0.5306

■ 55.6759, 0.3002,  
0.5593

■ 54.9349, 0.2996,  
0.5809

■ 54.5348, 0.2996,  
0.5943

■ 54.4132, 0.2996,  
0.5984

# Harmonies

## Analogous

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



69.8022, 0.3346, 0.3725



69.8022, 0.3103, 0.3653



69.8022, 0.2873, 0.3471

# Triad

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



69.8022, 0.3103, 0.3653



69.8022, 0.2729, 0.2909



69.8022, 0.3557, 0.3316

# Complementary

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



69.8022, 0.3103, 0.3653



60.1809, 0.3151, 0.2952

# 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.



69.8022, 0.3379, 0.3116



69.8022, 0.3103, 0.3653



69.8022, 0.2900, 0.2886

# Square

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



69.8022, 0.3103, 0.3653



69.8022, 0.2663, 0.3035



69.8022, 0.3137, 0.2961



69.8022, 0.3614, 0.3518



# Rectangle

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



69.8022, 0.3103, 0.3653



69.8022, 0.2757, 0.3317



69.8022, 0.3137, 0.2961



69.8022, 0.3509, 0.3247

# Sweetspot

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



69.8052, 0.3103, 0.3653



97.4970, 0.3121, 0.3386



74.3754, 0.3335, 0.3640



20.7708, 0.3119, 0.3405



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

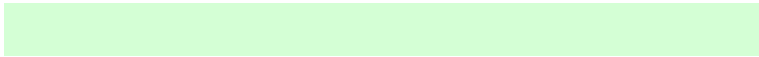


# Same Dimension

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



69.8052, 0.3103, 0.3653



90.2717, 0.3098, 0.3737



70.5438, 0.3006, 0.3468



15.3444, 0.3111, 0.3524



31.0435, 0.2994, 0.5978



2.1543, 0.2976, 0.5915



# Inverse Universe

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



60.1809, 0.3151, 0.2952



75.3023, 0.3156, 0.2880



59.3724, 0.3268, 0.3118



13.9276, 0.3143, 0.3066



12.1367, 0.3291, 0.1587



0.8437, 0.3278, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 69.8022, 0.3103, 0.3653 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 69.8022, 0.3103, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

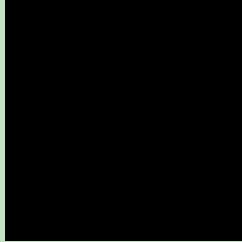
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

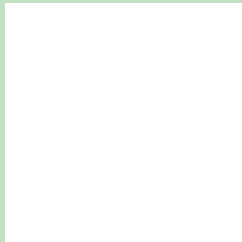
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8022, 0.3103, 0.3653**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8022, 0.3103, 0.3653.

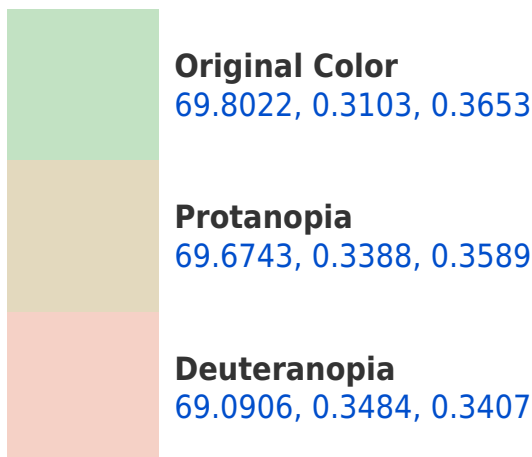


This preview shows how white text looks on a background with the Yxy color 69.8022, 0.3103, 0.3653.

# 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

69.7183, 0.2889, 0.3101

# Trichromacy



**Original Color**

69.8022, 0.3103, 0.3653

**Protanomaly**

69.4392, 0.3279, 0.3607

**Deuteranomaly**

68.8008, 0.3334, 0.3489

**Tritanomaly**

69.5222, 0.2962, 0.3290

# Monochromacy



**Original Color**

69.8022, 0.3103, 0.3653

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.7209, 0.3121, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8022, 0.3103, 0.3653 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(194, 226, 195)` looks like.

```
.text, #text, p{  
    color:rgb(194, 226, 195)  
}
```

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(194, 226, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 226, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8022, 0.3103, 0.3653 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(194, 226, 195) }
```

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

```
.border{ border-color:rgb(194, 226, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 226, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 226, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 226, 195); box-shadow:4px 4px 4px 4px rgb(194, 226, 195) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8022, 0.3103, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 226, 195) }
```

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

```
.background{ background-color: rgb(194,  
226, 195) }
```

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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