

# Converting Colors

$Yxy(72.4510, 0.3348, 0.4204)$

Have a look what the booklet for  
Yxy(72.4510, 0.3348, 0.4204)  
contains.

<b>Yxy(72.2802, 0.3346, 0.4195)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(72.2802, 0.3346, 0.4195)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3E99C
RGB	195, 233, 156
RGB Percent	76%, 91%, 61%
CMY	0.2352, 0.0863, 0.3882
CMYK	0.16, 0.00, 0.33, 0.09
HSL	90°, 64%, 76%
HSV	90°, 33%, 91%
XYZ	57.6519, 72.2802, 42.3688
YIQ	212.8600, 2.0690, -32.0030

# Conversions

## Conversions Part 2

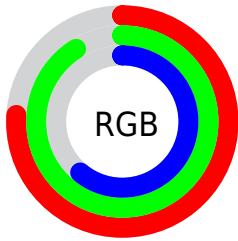
Format	Color
<b>RYB</b>	156, 233, 194
Decimal	12839324
CIELab	88.10, -25.47, 33.48
CIElCh	88, 42.065, 127.269
Yxy	72.2802, 0.3346, 0.4195
Android (android.graphics.Color)	4291029404 (0xFFC3E99C)
YUV	212.8600, -28.0320, -15.6632
Hunter-Lab	85.0178, -27.7375, 29.9651

# Details

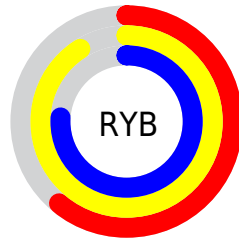
The Yxy color **72.2802, 0.3346, 0.4195** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.1294, 0.2833, 0.2385**, and the grayscale version is **66.6366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9186, 0.3368, 0.3723**, and **38.0192, 0.3378, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **70.0957, 0.3400, 0.4495**, and if you desaturate by 10%, it is **74.7402, 0.3284, 0.3901**.

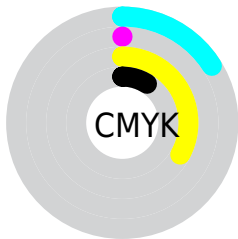
# Distribution



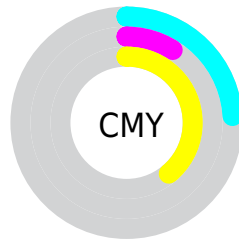
- Red (76%)
- Green (91%)
- Blue (61%)



- Red (61%)
- Yellow (91%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)




- Cyan (24%)
- Magenta (9%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2802, 0.3346, 0.4195 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 72.2802, 0.3346, 0.4195 by changing the saturation by 10% instead.





 72.2802, 0.3346,  
0.4195


 72.2802, 0.3346,  
0.4195


468.5163, 0.3257,  
0.3759

 53.3876, 0.3363,  
0.4298


 122.4548, 0.3318,  
0.4041

 38.1123, 0.3381,  
0.4426


 154.5056, 0.3306,  
0.3982

 26.0698, 0.3400,  
0.4591


191.7113, 0.3296,  
0.3931

 16.8759, 0.3419,  
0.4808


234.4562, 0.3286,  
0.3888

 10.1460, 0.3430,  
0.5105

283.1248, 0.3278,  
0.3850

 5.4959, 0.3414,  
0.5530


338.1014, 0.3270,

 2.5411, 0.3494,


0.3816


0.6506


399.7704, 0.3263,  
0.3786

 0.8971, 0.2046,  
0.7954


 0.0000, 0.0000,  
0.0000


 72.2802, 0.3346,  
0.4195

 72.2802, 0.3346,  
0.4195


 70.0957, 0.3400,  
0.4495


 74.7402, 0.3284,  
0.3901


 68.1659, 0.3440,  
0.4791


 77.4768, 0.3217,  
0.3623


 66.4817, 0.3463,  
0.5068


 80.5031, 0.3148,  
0.3364

 65.0295, 0.3466,  
0.5310


 83.8283, 0.3080,  
0.3128

 63.7939, 0.3445,  
0.5505

 86.2819, 0.3120,  
0.3077

 62.7570, 0.3403,  
0.5642

 86.7564, 0.3137,  
0.3078

 62.1347, 0.3365,  
0.5710

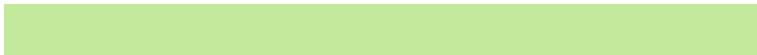
# Harmonies

## Analogous

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



72.2802, 0.3806, 0.4150



72.2802, 0.3346, 0.4195



72.2802, 0.2849, 0.3931

# Triad

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



72.2802, 0.3346, 0.4195



72.2802, 0.2234, 0.2625



72.2802, 0.3835, 0.3090

# Complementary

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



72.2802, 0.3346, 0.4195



41.1294, 0.2833, 0.2385

# Split Complementary

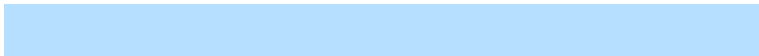
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2802, 0.3357, 0.2754



72.2802, 0.3346, 0.4195



72.2802, 0.2448, 0.2486

# Square

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



72.2802, 0.3346, 0.4195



72.2802, 0.2232, 0.2963



72.2802, 0.2847, 0.2538



72.2802, 0.4113, 0.3488



# Rectangle

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



72.2802, 0.3346, 0.4195



72.2802, 0.2564, 0.3623



72.2802, 0.2847, 0.2538



72.2802, 0.3690, 0.2968

# Sweetspot

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



72.2834, 0.3346, 0.4195



96.1576, 0.3196, 0.3543



57.9614, 0.3759, 0.3710



20.4724, 0.3206, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

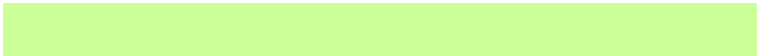


# Same Dimension

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



72.2834, 0.3346, 0.4195



86.7564, 0.3386, 0.4410



67.8746, 0.3089, 0.4270



17.2373, 0.3192, 0.3528



35.3314, 0.3376, 0.5701



2.8316, 0.3480, 0.5618



# Inverse Universe

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



41.1294, 0.2833, 0.2385



42.7412, 0.2750, 0.2171



46.7714, 0.3154, 0.2468



14.9136, 0.3057, 0.3052



5.4761, 0.2011, 0.0882

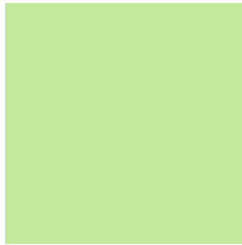


0.4872, 0.2162, 0.0965



# Previews

## White Background



This preview shows how the Yxy color 72.2802, 0.3346, 0.4195 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 72.2802, 0.3346, 0.4195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

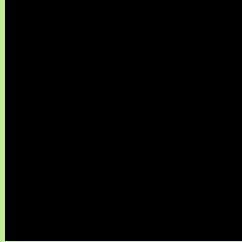
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.2802, 0.3346, 0.4195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2802, 0.3346, 0.4195.

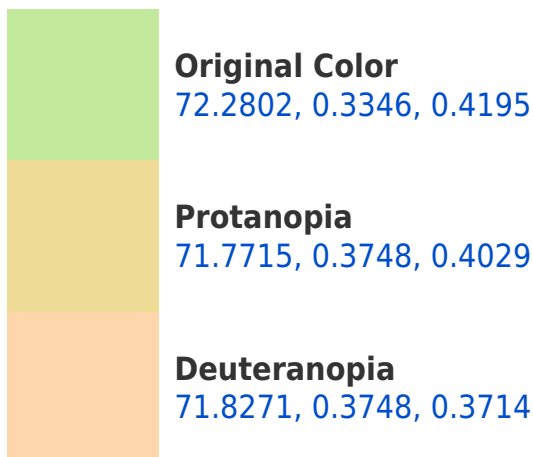


This preview shows how white text looks on a background with the Yxy color 72.2802, 0.3346, 0.4195.

# 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

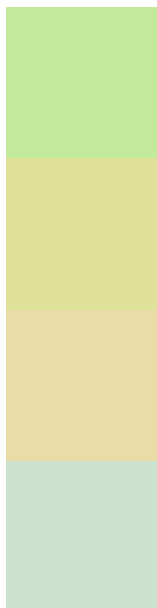




## Tritanopia

71.7992, 0.2912, 0.3093

# Trichromacy



## Original Color

72.2802, 0.3346, 0.4195

## Protanomaly

71.8383, 0.3593, 0.4091

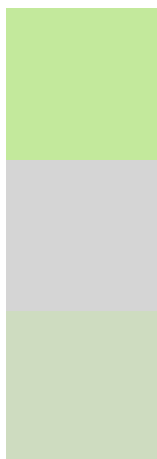
## Deuteranomaly

71.2632, 0.3597, 0.3879

## Tritanomaly

71.6927, 0.3077, 0.3483

# Monochromacy



## Original Color

72.2802, 0.3346, 0.4195

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

68.1140, 0.3213, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2802, 0.3346, 0.4195 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(195, 233, 156)` looks like.

```
.text, #text, p{  
    color:rgb(195, 233, 156)  
}
```

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(195, 233, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 233, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2802, 0.3346, 0.4195 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(195, 233, 156) }
```

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

```
.border{ border-color:rgb(195, 233, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 233, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 233, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 233, 156);  
box-shadow:4px 4px 4px 4px rgb(195, 233,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2802, 0.3346, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 233, 156) }
```

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

```
.background{ background-color: rgb(195,  
233, 156) }
```

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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