

# Converting Colors

$Yxy(70.1362, 0.3100, 0.4501)$

Have a look what the booklet for  
Yxy(70.1362, 0.3100, 0.4501)  
contains.

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**Color**

**Yxy(70.1362, 0.3100, 0.4501)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95EF90
RGB	149, 239, 144
RGB Percent	58%, 94%, 56%
CMY	0.4154, 0.0628, 0.4352
CMYK	0.38, 0.00, 0.40, 0.06
HSL	117°, 75%, 75%
HSV	117°, 40%, 94%
XYZ	48.3053, 70.1362, 37.3821
YIQ	201.2600, -23.1450, -48.6250

# Conversions

## Conversions Part 2

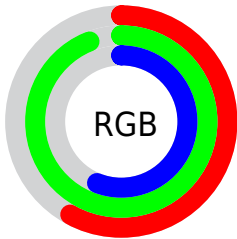
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 239, 234
Decimal	9826192
CIELab	87.06, -45.23, 37.65
CIELCh	87, 58.847, 140.221
Yxy	70.1362, 0.3100, 0.4501
Android (android.graphics.Color)	4288016272 (0xFF95EF90)
YUV	201.2600, -28.2292, -45.8320
Hunter-Lab	83.7474, -43.5994, 32.1580

# Details

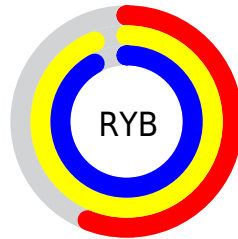
The Yxy color **70.1362, 0.3100, 0.4501** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.6641, 0.3128, 0.2297**, and the grayscale version is **58.7794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7653, 0.3141, 0.3899**, and **36.5558, 0.3062, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **67.5572, 0.3087, 0.4858**, and if you desaturate by 10%, it is **73.2893, 0.3110, 0.4154**.

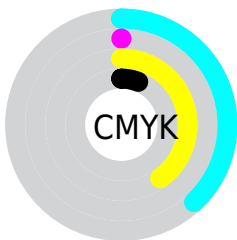
# Distribution



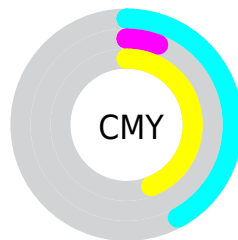
- Red (58%)
- Green (94%)
- Blue (56%)



- Red (56%)
- Yellow (94%)
- Blue (92%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (6%)




- Cyan (42%)
- Magenta (6%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1362, 0.3100, 0.4501 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 70.1362, 0.3100, 0.4501 by changing the saturation by 10% instead.





 70.1362, 0.3100,  
0.4501


 70.1362, 0.3100,  
0.4501


461.0281, 0.3136,  
0.3901

 51.6376, 0.3085,  
0.4647


 119.4030, 0.3118,  
0.4285

 36.7163, 0.3062,  
0.4831

 150.9399, 0.3123,  
0.4204

 24.9879, 0.3027,  
0.5070


187.5917, 0.3127,  
0.4134

 16.0680, 0.2969,  
0.5391

229.7428, 0.3130,  
0.4075

 9.5723, 0.2866,  
0.5839

277.7776, 0.3132,  
0.4023

 5.1163, 0.2680,  
0.6517

332.0805, 0.3134,

 2.3157, 0.2299,

0.3977

0.7701

393.0359, 0.3135,  
0.3937

0.7820, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

70.1362, 0.3100,  
0.4501

70.1362, 0.3100,  
0.4501

67.5572, 0.3087,  
0.4858

73.2893, 0.3110,  
0.4154

65.5095, 0.3072,  
0.5203

77.0387, 0.3118,  
0.3832

63.9586, 0.3054,  
0.5510

81.4162, 0.3124,  
0.3541

62.8622, 0.3037,  
0.5753

86.4487, 0.3127,  
0.3284

■ 62.1709, 0.3020,  
0.5913

■ 90.2088, 0.3134,  
0.3136

■ 61.8181, 0.3008,  
0.5992

■ 61.8123, 0.3008,  
0.5993

# Harmonies

## Analogous

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



70.1362, 0.3784, 0.4582



70.1362, 0.3100, 0.4501



70.1362, 0.2460, 0.3937

# Triad

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



70.1362, 0.3100, 0.4501



70.1362, 0.2005, 0.2258



70.1362, 0.4348, 0.3219

# Complementary

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



70.1362, 0.3100, 0.4501



43.6641, 0.3128, 0.2297

# 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.



70.1362, 0.3756, 0.2735



70.1362, 0.3100, 0.4501



70.1362, 0.2395, 0.2203

# Square

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



70.1362, 0.3100, 0.4501



70.1362, 0.1879, 0.2578



70.1362, 0.3020, 0.2376



70.1362, 0.4554, 0.3753



# Rectangle

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



70.1362, 0.3100, 0.4501



70.1362, 0.2143, 0.3428



70.1362, 0.3020, 0.2376



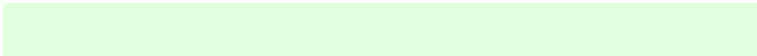
70.1362, 0.4184, 0.3048

# Sweetspot

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



70.1392, 0.3100, 0.4501



93.0970, 0.3122, 0.3605



78.4496, 0.3746, 0.4218



19.7800, 0.3122, 0.3642



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.



70.1392, 0.3100, 0.4501



78.7015, 0.3089, 0.4802



71.1695, 0.2852, 0.3968



17.6965, 0.3124, 0.3534



34.1781, 0.3011, 0.5991



2.8573, 0.3041, 0.5967



# Inverse Universe

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



43.6641, 0.3128, 0.2297



43.9306, 0.3125, 0.2104



42.3701, 0.3558, 0.2704



15.9860, 0.3129, 0.3057



12.4225, 0.3076, 0.1468



1.0465, 0.3095, 0.1479



# Previews

## White Background



This preview shows how the Yxy color 70.1362, 0.3100, 0.4501 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 70.1362, 0.3100, 0.4501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

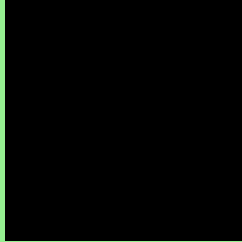
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.1362, 0.3100, 0.4501**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1362, 0.3100, 0.4501.

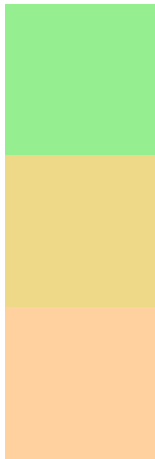


This preview shows how white text looks on a background with the Yxy color 70.1362, 0.3100, 0.4501.

# 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

70.1362, 0.3100, 0.4501

### Protanopia

69.3795, 0.3852, 0.4169

### Deuteranopia

69.3641, 0.3859, 0.3808



## Tritanopia

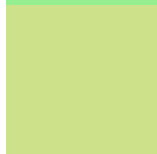
69.8556, 0.2652, 0.3082

# Trichromacy



## Original Color

70.1362, 0.3100, 0.4501



## Protanomaly

68.6645, 0.3551, 0.4301



## Deuteranomaly

68.1184, 0.3547, 0.4044



## Tritanomaly

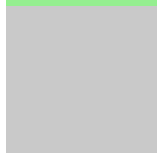
69.2830, 0.2816, 0.3569

# Monochromacy



## Original Color

70.1362, 0.3100, 0.4501



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.8412, 0.3121, 0.3724

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1362, 0.3100, 0.4501 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(149, 239, 144)` looks like.

```
.text, #text, p{  
    color:rgb(149, 239, 144)  
}
```

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(149, 239, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 239, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1362, 0.3100, 0.4501 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(149, 239, 144) }
```

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

```
.border{ border-color:rgb(149, 239, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 239, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 239, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 239, 144); box-shadow:4px 4px 4px 4px rgb(149, 239, 144) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1362, 0.3100, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 239, 144) }
```

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

```
.background{ background-color: rgb(149,  
239, 144) }
```

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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