

# Converting Colors

$Yxy(63.9290, 0.2970, 0.4335)$

Have a look what the booklet for  
Yxy(63.9290, 0.2970, 0.4335)  
contains.

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# Color

**Yxy(63.9290, 0.2970, 0.4335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86E698
RGB	134, 230, 152
RGB Percent	53%, 90%, 60%
CMY	0.4744, 0.0980, 0.4039
CMYK	0.42, 0.00, 0.34, 0.10
HSL	131°, 66%, 71%
HSV	131°, 42%, 90%
XYZ	43.7991, 63.9290, 39.7436
YIQ	192.4040, -32.1780, -44.6100

# Conversions

## Conversions Part 2

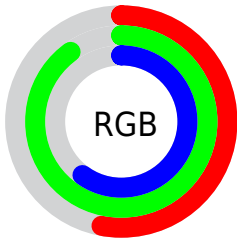
Format	Color
<a href="#">RYB</a>	<a href="#">134, 215, 230</a>
Decimal	<a href="#">8840856</a>
CIELab	<a href="#">83.93, -44.53, 29.36</a>
CIElCh	<a href="#">84, 53.335, 146.602</a>
Yxy	<a href="#">63.9290, 0.2970, 0.4335</a>
Android (android.graphics.Color)	<a href="#">4287030936 (0xFF86E698)</a>
YUV	<a href="#">192.4040, -19.9192, -51.2203</a>
Hunter-Lab	<a href="#">79.9556, -42.1413, 26.4976</a>

# Details

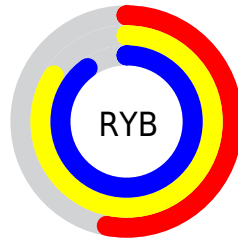
The Yxy color **63.9290, 0.2970, 0.4335** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.6325, 0.3344, 0.2435**, and the grayscale version is **53.0983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1014, 0.3007, 0.3823**, and **32.8119, 0.2911, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **61.6775, 0.2942, 0.4639**, and if you desaturate by 10%, it is **66.6933, 0.3004, 0.4045**.

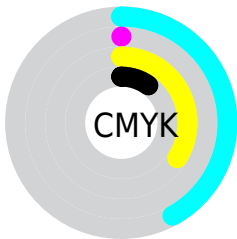
# Distribution



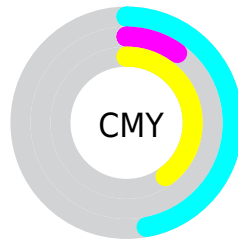
- Red (53%)
- Green (90%)
- Blue (60%)



- Red (53%)
- Yellow (84%)
- Blue (90%)



- Cyan (42%)
- Magenta (0%)
- Yellow (34%)
- Black (10%)




- Cyan (47%)
- Magenta (10%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9290, 0.2970, 0.4335 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 63.9290, 0.2970, 0.4335 by changing the saturation by 10% instead.




 63.9290, 0.2970,  
0.4335


 63.9290, 0.2970,  
0.4335


438.9332, 0.3061,  
0.3809

 46.5932, 0.2944,  
0.4466


 110.5087, 0.3006,  
0.4144

 32.7142, 0.2908,  
0.4634


 140.5213, 0.3019,  
0.4072

 21.9076, 0.2857,  
0.4855


 175.5283, 0.3029,  
0.4011

 13.7890, 0.2780,  
0.5159

215.9142, 0.3038,  
0.3959

 7.9741, 0.2655,  
0.5600

262.0632, 0.3045,  
0.3914

 4.0783, 0.2433,  
0.6285

314.3597, 0.3051,

 1.7175, 0.1806,

0.3875

0.8194

373.1883, 0.3057,  
0.3840

■ 0.4349, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.9290, 0.2970,  
0.4335

■ 63.9290, 0.2970,  
0.4335

■ 61.6775, 0.2942,  
0.4639

■ 66.6933, 0.3004,  
0.4045

■ 59.8994, 0.2923,  
0.4946


■ 69.9910, 0.3042,  
0.3778


■ 58.5623, 0.2915,  
0.5239


■ 73.8514, 0.3081,  
0.3537

■ 57.6264, 0.2920,  
0.5498

■ 78.2993, 0.3120,  
0.3324

 57.0442, 0.2936,  
0.5708

 83.3579, 0.3159,  
0.3137

 56.7694, 0.2955,  
0.5838

 85.0741, 0.3138,  
0.3048

# Harmonies

## Analogous

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



63.9290, 0.3620, 0.4519



63.9290, 0.2970, 0.4335



63.9290, 0.2396, 0.3746

# Triad

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



63.9290, 0.2970, 0.4335



63.9290, 0.2126, 0.2287



63.9290, 0.4344, 0.3335

# Complementary

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



63.9290, 0.2970, 0.4335



38.6325, 0.3344, 0.2435

# 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.



63.9290, 0.3854, 0.2859



63.9290, 0.2970, 0.4335



63.9290, 0.2549, 0.2281

# Square

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



63.9290, 0.2970, 0.4335



63.9290, 0.1952, 0.2539



63.9290, 0.3174, 0.2486



63.9290, 0.4451, 0.3843



# Rectangle

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



63.9290, 0.2970, 0.4335



63.9290, 0.2130, 0.3274



63.9290, 0.3174, 0.2486



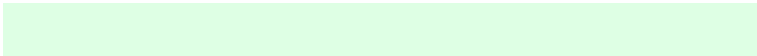
63.9290, 0.4217, 0.3169

# Sweetspot

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



63.9317, 0.2970, 0.4335



92.6310, 0.3076, 0.3568



72.3731, 0.3615, 0.4370



19.5863, 0.3067, 0.3620



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.



63.9317, 0.2970, 0.4335



78.3182, 0.2946, 0.4595



65.8158, 0.2712, 0.3679



16.1331, 0.3090, 0.3487



32.1526, 0.2949, 0.5817



2.3886, 0.2878, 0.5561



# Inverse Universe

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



38.6325, 0.3344, 0.2435



42.3429, 0.3402, 0.2274



36.5742, 0.3853, 0.2942



14.5664, 0.3166, 0.3101



11.5694, 0.3747, 0.1838

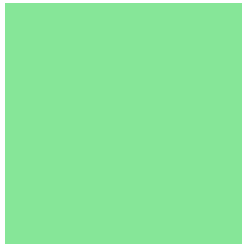


0.8670, 0.3654, 0.1787



# Previews

## White Background



This preview shows how the Yxy color 63.9290, 0.2970, 0.4335 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 63.9290, 0.2970, 0.4335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

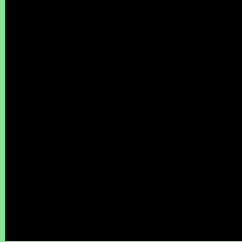
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.9290, 0.2970, 0.4335**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9290, 0.2970, 0.4335.



This preview shows how white text looks on a background with the Yxy color 63.9290, 0.2970, 0.4335.

# 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

63.9290, 0.2970, 0.4335

### Protanopia

63.1025, 0.3736, 0.4026

### Deuteranopia

63.2242, 0.3812, 0.3732



## Tritanopia

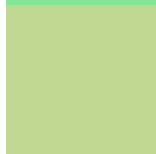
63.4529, 0.2593, 0.3072

# Trichromacy



## Original Color

63.9290, 0.2970, 0.4335



## Protanomaly

62.3935, 0.3423, 0.4149



## Deuteranomaly

61.9680, 0.3470, 0.3947



## Tritanomaly

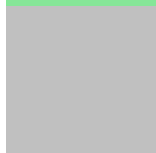
63.2513, 0.2727, 0.3505

# Monochromacy



## Original Color

63.9290, 0.2970, 0.4335



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

55.9749, 0.3065, 0.3665

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9290, 0.2970, 0.4335 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(134, 230, 152)` looks like.

```
.text, #text, p{  
    color:rgb(134, 230, 152)  
}
```

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(134, 230, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 230, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9290, 0.2970, 0.4335 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(134, 230, 152) }
```

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

```
.border{ border-color:rgb(134, 230, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 230, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 230, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 230, 152);  
box-shadow:4px 4px 4px 4px rgb(134, 230,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9290, 0.2970, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 230, 152) }
```

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

```
.background{ background-color: rgb(134,  
230, 152) }
```

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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