

# Converting Colors

$Y_{xy}(71.2151, 0.3359, 0.4579)$

Have a look what the booklet for  
Yxy(71.2151, 0.3359, 0.4579)  
contains.

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# Color

**Yxy(71.5272, 0.3359, 0.4581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1ED82
RGB	177, 237, 130
RGB Percent	69%, 93%, 51%
CMY	0.3058, 0.0706, 0.4901
CMYK	0.25, 0.00, 0.45, 0.07
HSL	94°, 75%, 72%
HSV	94°, 45%, 93%
XYZ	52.4470, 71.5272, 32.1646
YIQ	206.8620, -1.4130, -45.9970

# Conversions

## Conversions Part 2

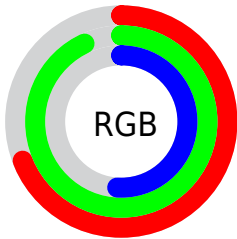
Format	Color
<a href="#">RYB</a>	<a href="#">130, 237, 190</a>
Decimal	<a href="#">11660674</a>
CIELab	<a href="#">87.74, -37.05, 45.66</a>
CIElCh	<a href="#">88, 58.804, 129.055</a>
Yxy	<a href="#">71.5272, 0.3359, 0.4581</a>
Android (android.graphics.Color)	<a href="#">4289850754 (0xFFB1ED82)</a>
YUV	<a href="#">206.8620, -37.8930, -26.1890</a>
Hunter-Lab	<a href="#">84.5738, -37.3102, 36.6528</a>

# Details

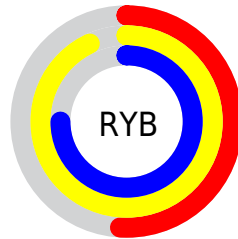
The Yxy color **71.5272, 0.3359, 0.4581** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.0314, 0.2753, 0.2043**, and the grayscale version is **62.5560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5152, 0.3402, 0.4012**, and **37.7354, 0.3376, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **69.4799, 0.3386, 0.4885**, and if you desaturate by 10%, it is **73.8793, 0.3319, 0.4271**.

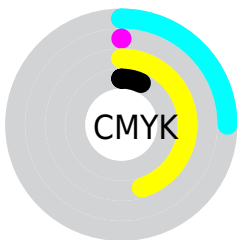
# Distribution



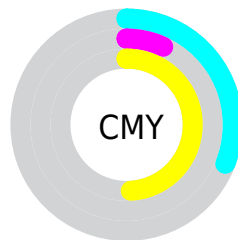
- Red (69%)
- Green (93%)
- Blue (51%)



- Red (51%)
- Yellow (93%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (45%)
- Black (7%)




- Cyan (31%)
- Magenta (7%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5272, 0.3359, 0.4581 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 71.5272, 0.3359, 0.4581 by changing the saturation by 10% instead.



 71.5272, 0.3359,  
0.4581


 71.5272, 0.3359,  
0.4581


465.8943, 0.3279,  
0.3952

 52.7725, 0.3369,  
0.4730


 121.3841, 0.3338,  
0.4358

 37.6212, 0.3375,  
0.4914


 153.2551, 0.3327,  
0.4273

 25.6888, 0.3375,  
0.5150


 190.2671, 0.3318,  
0.4200

 16.5910, 0.3358,  
0.5456

232.8043, 0.3309,  
0.4137

 9.9433, 0.3304,  
0.5863

281.2513, 0.3300,  
0.4082

 5.3614, 0.3241,  
0.6573

335.9923, 0.3292,

 2.4608, 0.2823,

0.4034

0.7177

397.4119, 0.3285,  
0.3991

0.8569, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

71.5272, 0.3359,  
0.4581

71.5272, 0.3359,  
0.4581

69.4799, 0.3386,  
0.4885

73.8793, 0.3319,  
0.4271

67.7135, 0.3395,  
0.5168


76.5402, 0.3269,  
0.3969


66.2151, 0.3385,  
0.5412


79.5256, 0.3214,  
0.3682

64.9666, 0.3353,  
0.5603

82.8470, 0.3157,  
0.3417

 63.9465, 0.3304,  
0.5734

 86.5156, 0.3099,  
0.3176

 63.5194, 0.3277,  
0.5780

 89.0500, 0.3135,  
0.3117

# Harmonies

## Analogous

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



71.5272, 0.4007, 0.4488



71.5272, 0.3359, 0.4581



71.5272, 0.2684, 0.4184

# Triad

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



71.5272, 0.3359, 0.4581



71.5272, 0.1934, 0.2351



71.5272, 0.4155, 0.3031

# Complementary

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



71.5272, 0.3359, 0.4581



33.0314, 0.2753, 0.2043

# 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.



71.5272, 0.3481, 0.2587



71.5272, 0.3359, 0.4581



71.5272, 0.2225, 0.2202

# Square

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



71.5272, 0.3359, 0.4581



71.5272, 0.1909, 0.2775



71.5272, 0.2768, 0.2293



71.5272, 0.4520, 0.3552



# Rectangle

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



71.5272, 0.3359, 0.4581



71.5272, 0.2311, 0.3712



71.5272, 0.2768, 0.2293



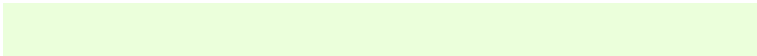
71.5272, 0.3953, 0.2871

# Sweetspot

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



71.5303, 0.3359, 0.4581



94.3093, 0.3208, 0.3652



55.9510, 0.4023, 0.3941



20.0135, 0.3221, 0.3712



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

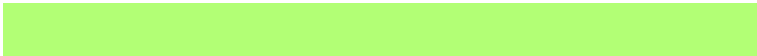


# Same Dimension

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



71.5303, 0.3359, 0.4581



82.2511, 0.3384, 0.4857



67.0764, 0.3034, 0.4637



17.1858, 0.3182, 0.3529



34.7531, 0.3288, 0.5771



2.7850, 0.3396, 0.5685



# Inverse Universe

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



33.0314, 0.2753, 0.2043



31.5501, 0.2651, 0.1786



39.7803, 0.3227, 0.2236



14.9655, 0.3068, 0.3053



6.1352, 0.2148, 0.0957



0.5386, 0.2289, 0.1034



# Previews

## White Background



This preview shows how the Yxy color 71.5272, 0.3359, 0.4581 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 71.5272, 0.3359, 0.4581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

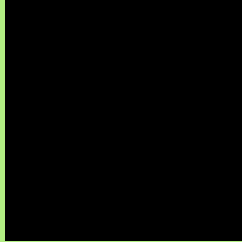
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.5272, 0.3359, 0.4581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5272, 0.3359, 0.4581.

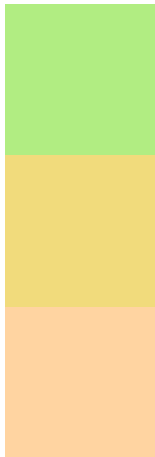


This preview shows how white text looks on a background with the Yxy color 71.5272, 0.3359, 0.4581.

# 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

71.5272, 0.3359, 0.4581

### Protanopia

70.8190, 0.3946, 0.4283

### Deuteranopia

70.9202, 0.3833, 0.3817



## Tritanopia

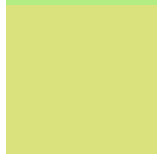
71.1914, 0.2818, 0.3089

# Trichromacy



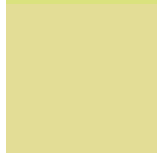
## Original Color

71.5272, 0.3359, 0.4581



## Protanomaly

70.8045, 0.3721, 0.4400



## Deuteranomaly

70.2458, 0.3657, 0.4075



## Tritanomaly

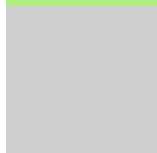
70.9470, 0.3024, 0.3618

# Monochromacy



## Original Color

71.5272, 0.3359, 0.4581



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

65.1332, 0.3228, 0.3757

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5272, 0.3359, 0.4581 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(177, 237, 130)` looks like.

```
.text, #text, p{  
    color:rgb(177, 237, 130)  
}
```

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(177, 237, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 237, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5272, 0.3359, 0.4581 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(177, 237, 130) }
```

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

```
.border{ border-color:rgb(177, 237, 130) }
```

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

Here you see how a box with a 4 pixel rgb(177, 237, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 237, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 237, 130);  
box-shadow:4px 4px 4px 4px rgb(177, 237,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5272, 0.3359, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 237, 130) }
```

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

```
.background{ background-color: rgb(177,  
237, 130) }
```

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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