

# Converting Colors

$Y_{xy}(65.7955, 0.2996, 0.4476)$

Have a look what the booklet for  
Yxy(65.7955, 0.2996, 0.4476)  
contains.

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# Color

**Yxy(65.7955, 0.2996, 0.4476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84EA91
RGB	132, 234, 145
RGB Percent	52%, 92%, 57%
CMY	0.4826, 0.0823, 0.4314
CMYK	0.44, 0.00, 0.38, 0.08
HSL	128°, 71%, 72%
HSV	128°, 44%, 92%
XYZ	44.0401, 65.7955, 37.1606
YIQ	193.3560, -32.2230, -49.3030

# Conversions

## Conversions Part 2

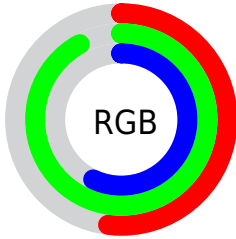
Format	Color
<a href="#">RYB</a>	<a href="#">132, 222, 234</a>
Decimal	<a href="#">8710801</a>
CIELab	<a href="#">84.89, -47.97, 34.18</a>
CIELCh	<a href="#">85, 58.906, 144.527</a>
Yxy	<a href="#">65.7955, 0.2996, 0.4476</a>
Android (android.graphics.Color)	<a href="#">4286900881 (0xFF84EA91)</a>
YUV	<a href="#">193.3560, -23.8395, -53.8092</a>
Hunter-Lab	<a href="#">81.1144, -45.0359, 29.6178</a>

# Details

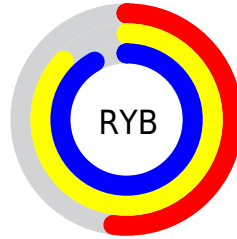
The Yxy color **65.7955, 0.2996, 0.4476** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.1965, 0.3298, 0.2341**, and the grayscale version is **53.6971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5089, 0.3033, 0.3906**, and **33.7305, 0.2938, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **63.5457, 0.2973, 0.4801**, and if you desaturate by 10%, it is **68.5868, 0.3024, 0.4161**.

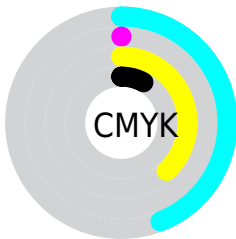
# Distribution



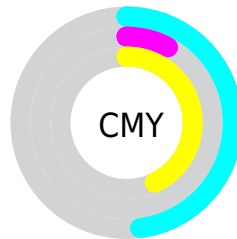
- Red (52%)
- Green (92%)
- Blue (57%)



- Red (52%)
- Yellow (87%)
- Blue (92%)



- Cyan (44%)
- Magenta (0%)
- Yellow (38%)
- Black (8%)




- Cyan (48%)
- Magenta (8%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7955, 0.2996, 0.4476 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 65.7955, 0.2996, 0.4476 by changing the saturation by 10% instead.





 65.7955, 0.2996,  
0.4476

 65.7955, 0.2996,  
0.4476

445.6452, 0.3080,  
0.3880


 48.1064, 0.2970,  
0.4624


 113.1928, 0.3030,  
0.4260

 33.9112, 0.2934,  
0.4812

 143.6697, 0.3042,  
0.4178

 22.8254, 0.2881,  
0.5060


 179.1781, 0.3052,  
0.4110

 14.4646, 0.2800,  
0.5397

220.1023, 0.3059,  
0.4051

 8.4445, 0.2665,  
0.5879

266.8267, 0.3066,  
0.3999

 4.3807, 0.2434,  
0.6641

319.7358, 0.3071,

 1.8887, 0.1733,

0.3955

0.8267

379.2138, 0.3076,  
0.3915

0.5416, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.7955, 0.2996,  
0.4476

65.7955, 0.2996,  
0.4476

63.5457, 0.2973,  
0.4801

68.5868, 0.3024,  
0.4161

61.7946, 0.2958,  
0.5121


71.9431, 0.3054,  
0.3868

60.5061, 0.2951,  
0.5413


75.8962, 0.3085,  
0.3603


59.6356, 0.2955,  
0.5658

80.4733, 0.3116,  
0.3368

 59.1294, 0.2967,  
0.5837

 85.6997, 0.3146,  
0.3162

 58.9479, 0.2977,  
0.5916

 87.3345, 0.3137,  
0.3088

# Harmonies

## Analogous

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



65.7955, 0.3700, 0.4630



65.7955, 0.2996, 0.4476



65.7955, 0.2365, 0.3843

# Triad

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



65.7955, 0.2996, 0.4476



65.7955, 0.2024, 0.2214



65.7955, 0.4433, 0.3292

# Complementary

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



65.7955, 0.2996, 0.4476



39.1965, 0.3298, 0.2341

# 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.



65.7955, 0.3873, 0.2788



65.7955, 0.2996, 0.4476



65.7955, 0.2458, 0.2194

# Square

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



65.7955, 0.2996, 0.4476



65.7955, 0.1857, 0.2497



65.7955, 0.3123, 0.2400



65.7955, 0.4576, 0.3837



# Rectangle

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



65.7955, 0.2996, 0.4476



65.7955, 0.2069, 0.3318



65.7955, 0.3123, 0.2400



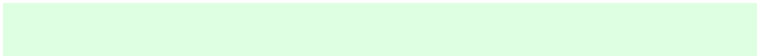
65.7955, 0.4285, 0.3115

# Sweetspot

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



65.7982, 0.2996, 0.4476



92.5219, 0.3087, 0.3589



76.0647, 0.3686, 0.4398



19.5597, 0.3080, 0.3645



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.



65.7982, 0.2996, 0.4476



77.5615, 0.2976, 0.4756



67.6891, 0.2732, 0.3792



16.8935, 0.3098, 0.3502



33.1306, 0.2972, 0.5900



2.6117, 0.2918, 0.5705



# Inverse Universe

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



39.1965, 0.3298, 0.2341



41.4528, 0.3340, 0.2174



36.9210, 0.3824, 0.2850



15.2787, 0.3157, 0.3087



12.2947, 0.3560, 0.1735

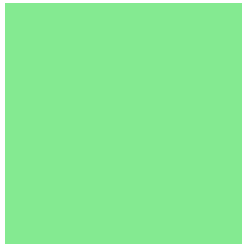


0.9747, 0.3505, 0.1704



# Previews

## White Background



This preview shows how the Yxy color 65.7955, 0.2996, 0.4476 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 65.7955, 0.2996, 0.4476 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 65.7955, 0.2996, 0.4476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7955, 0.2996, 0.4476.



This preview shows how white text looks on a background with the Yxy color 65.7955, 0.2996, 0.4476.

# 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

65.7955, 0.2996, 0.4476

### Protanopia

65.0241, 0.3807, 0.4122

### Deuteranopia

64.8321, 0.3900, 0.3819



## Tritanopia

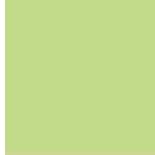
65.7420, 0.2585, 0.3086

# Trichromacy



## Original Color

65.7955, 0.2996, 0.4476



## Protanomaly

63.9964, 0.3477, 0.4259



## Deuteranomaly

63.5285, 0.3527, 0.4059



## Tritanomaly

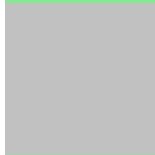
65.3657, 0.2737, 0.3567

# Monochromacy



## Original Color

65.7955, 0.2996, 0.4476



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

56.9043, 0.3071, 0.3703

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7955, 0.2996, 0.4476 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(132, 234, 145)` looks like.

```
.text, #text, p{  
    color:rgb(132, 234, 145)  
}
```

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(132, 234, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 234, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7955, 0.2996, 0.4476 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(132, 234, 145) }
```

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

```
.border{ border-color:rgb(132, 234, 145) }
```

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

Here you see how a box with a 4 pixel rgb(132, 234, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 234, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 234, 145);  
box-shadow:4px 4px 4px 4px rgb(132, 234,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7955, 0.2996, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 234, 145) }
```

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

```
.background{ background-color: rgb(132,  
234, 145) }
```

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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