

# Converting Colors

$Yxy(69.6482, 0.2849, 0.4428)$

Have a look what the booklet for  
Yxy(69.6482, 0.2849, 0.4428)  
contains.

<b>Yxy(69.5160, 0.2848, 0.4421)</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(69.5160, 0.2848, 0.4421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72F29D
RGB	114, 242, 157
RGB Percent	45%, 95%, 62%
CMY	0.5527, 0.0510, 0.3844
CMYK	0.53, 0.00, 0.35, 0.05
HSL	140°, 83%, 70%
HSV	140°, 53%, 95%
XYZ	44.7821, 69.5160, 42.9424
YIQ	194.0380, -49.0030, -53.5710

# Conversions

## Conversions Part 2

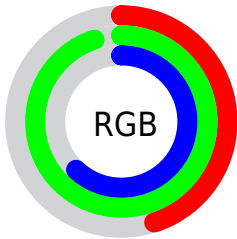
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 210, 242
Decimal	7533213
CIELab	86.76, -53.86, 30.50
CIElCh	87, 61.896, 150.476
Yxy	69.5160, 0.2848, 0.4421
Android (android.graphics.Color)	4285723293 (0xFF72F29D)
YUV	194.0380, -18.2597, -70.1933
Hunter-Lab	83.3763, -50.0346, 27.8265

# Details

The Yxy color **69.5160, 0.2848, 0.4421** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.0560, 0.3625, 0.2400**, and the grayscale version is **54.1146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1577, 0.2879, 0.3779**, and **36.3708, 0.2756, 0.4735** is the 20% darker color. If you saturate the color by 10%, you get **67.5902, 0.2822, 0.4681**, and if you desaturate by 10%, it is **71.9491, 0.2887, 0.4169**.

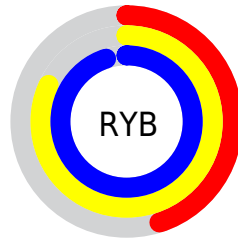
# Distribution



Red (45%)

Green (95%)

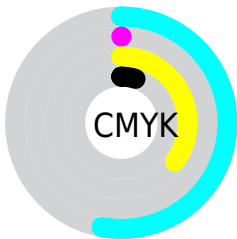
Blue (62%)



Red (45%)

Yellow (82%)

Blue (95%)

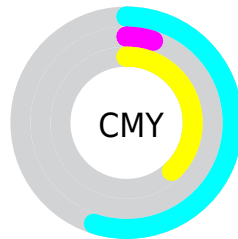


Cyan (53%)

Magenta (0%)

Yellow (35%)

Black (5%)



Cyan (55%)

Magenta (5%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5160, 0.2848, 0.4421 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 69.5160, 0.2848, 0.4421 by changing the saturation by 10% instead.





 69.5160, 0.2848,  
0.4421


 69.5160, 0.2848,  
0.4421

458.8488, 0.2998,  
0.3856

 51.1321, 0.2808,  
0.4560

 118.5183, 0.2904,  
0.4217

 36.3137, 0.2756,  
0.4737


 149.9054, 0.2925,  
0.4140

 24.6766, 0.2684,  
0.4970

 186.3957, 0.2942,  
0.4075

 15.8363, 0.2581,  
0.5287

228.3736, 0.2957,  
0.4019

 9.4084, 0.2425,  
0.5740

276.2234, 0.2969,  
0.3970

 5.0085, 0.2165,  
0.6425

330.3297, 0.2980,

 2.2522, 0.1661,

0.3927

0.8339

391.0766, 0.2990,  
0.3890

0.7483, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.5160, 0.2848,  
0.4421

69.5160, 0.2848,  
0.4421

67.5902, 0.2822,  
0.4681

71.9491, 0.2887,  
0.4169

66.1258, 0.2813,  
0.4938

74.9144, 0.2935,  
0.3930


65.0825, 0.2821,  
0.5182


78.4453, 0.2991,  
0.3711

64.4088, 0.2846,  
0.5400

82.5701, 0.3050,  
0.3513

 64.0996, 0.2871,  
0.5536

 87.3151, 0.3110,  
0.3337

 91.8856, 0.3142,  
0.3180

 91.9832, 0.3133,  
0.3165

# Harmonies

## Analogous

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



69.5160, 0.3572, 0.4686



69.5160, 0.2848, 0.4421



69.5160, 0.2238, 0.3699

# Triad

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



69.5160, 0.2848, 0.4421



69.5160, 0.2061, 0.2160



69.5160, 0.4542, 0.3397

# Complementary

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



69.5160, 0.2848, 0.4421



35.0560, 0.3625, 0.2400

# 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.



69.5160, 0.4036, 0.2868



69.5160, 0.2848, 0.4421



69.5160, 0.2557, 0.2190

# Square

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



69.5160, 0.2848, 0.4421



69.5160, 0.1835, 0.2391



69.5160, 0.3275, 0.2442



69.5160, 0.4592, 0.3956



# Rectangle

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



69.5160, 0.2848, 0.4421



69.5160, 0.1973, 0.3162



69.5160, 0.3275, 0.2442



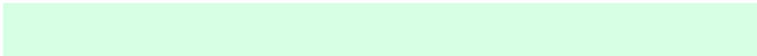
69.5160, 0.4419, 0.3214

# Sweetspot

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



69.5189, 0.2848, 0.4421



91.4412, 0.3031, 0.3574



76.9107, 0.3584, 0.4717



19.3646, 0.3018, 0.3614



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.



69.5189, 0.2848, 0.4421



76.0634, 0.2822, 0.4689



72.2888, 0.2542, 0.3554



17.7438, 0.3070, 0.3451



34.4581, 0.2863, 0.5507



2.8844, 0.2789, 0.5242



# Inverse Universe

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



35.0560, 0.3625, 0.2400



33.5508, 0.3766, 0.2263



32.6882, 0.4412, 0.3066



15.9360, 0.3189, 0.3134



11.5469, 0.4281, 0.2132

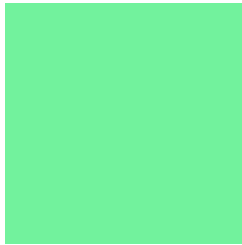


0.9790, 0.4103, 0.2034



# Previews

## White Background



This preview shows how the Yxy color 69.5160, 0.2848, 0.4421 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 69.5160, 0.2848, 0.4421 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 69.5160, 0.2848, 0.4421**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5160, 0.2848, 0.4421.

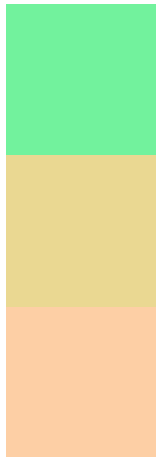


This preview shows how white text looks on a background with the Yxy color 69.5160, 0.2848, 0.4421.

# 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

69.5160, 0.2848, 0.4421

### Protanopia

68.6795, 0.3758, 0.4053

### Deuteranopia

68.2249, 0.3805, 0.3729



## Tritanopia

69.3947, 0.2489, 0.3076

# Trichromacy



## Original Color

69.5160, 0.2848, 0.4421



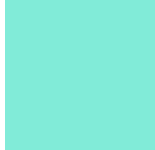
## Protanomaly

66.9996, 0.3362, 0.4197



## Deuteranomaly

66.3516, 0.3385, 0.3977



## Tritanomaly

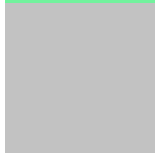
69.0417, 0.2613, 0.3526

# Monochromacy



## Original Color

69.5160, 0.2848, 0.4421



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

57.9241, 0.2994, 0.3678

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5160, 0.2848, 0.4421 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(114, 242, 157)` looks like.

```
.text, #text, p{  
    color:rgb(114, 242, 157)  
}
```

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(114, 242, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 242, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5160, 0.2848, 0.4421 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(114, 242, 157) }
```

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

```
.border{ border-color:rgb(114, 242, 157) }
```

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

Here you see how a box with a 4 pixel rgb(114, 242, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 242, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 242, 157);  
box-shadow:4px 4px 4px 4px rgb(114, 242,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5160, 0.2848, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 242, 157) }
```

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

```
.background{ background-color: rgb(114,  
242, 157) }
```

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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