

# Converting Colors

Yxy(66.5466, 0.3239, 0.4554)

Have a look what the booklet for  
Yxy(66.5466, 0.3239, 0.4554)  
contains.

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# Color

**Yxy(66.8528, 0.3241, 0.4560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E884
RGB	160, 232, 132
RGB Percent	63%, 91%, 52%
CMY	0.3727, 0.0902, 0.4822
CMYK	0.31, 0.00, 0.43, 0.09
HSL	103°, 68%, 71%
HSV	103°, 43%, 91%
XYZ	47.5153, 66.8528, 32.2389
YIQ	199.0720, -10.8120, -46.3640

# Conversions

## Conversions Part 2

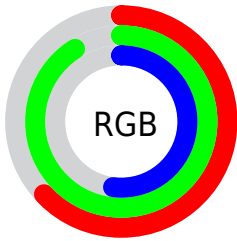
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 232, 204
Decimal	10545284
CIELab	85.43, -40.37, 41.58
CIELCh	85, 57.950, 134.156
Yxy	66.8528, 0.3241, 0.4560
Android (android.graphics.Color)	4288735364 (0xFFA0E884)
YUV	199.0720, -33.0665, -34.2661
Hunter-Lab	81.7636, -39.3544, 33.8568

# Details

The Yxy color **66.8528, 0.3241, 0.4560** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.1846, 0.2919, 0.2151**, and the grayscale version is **57.3698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8169, 0.3284, 0.4028**, and **34.6331, 0.3234, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **64.6811, 0.3249, 0.4889**, and if you desaturate by 10%, it is **69.4032, 0.3223, 0.4232**.

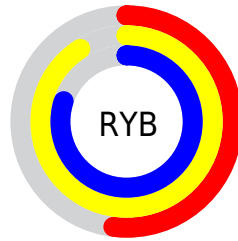
# Distribution



Red (63%)

Green (91%)

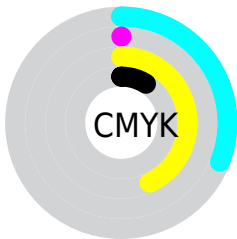
Blue (52%)



Red (52%)

Yellow (91%)

Blue (80%)

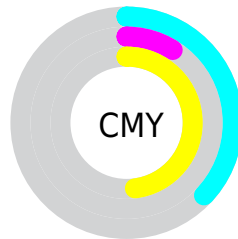


Cyan (31%)

Magenta (0%)

Yellow (43%)

Black (9%)



Cyan (37%)

Magenta (9%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8528, 0.3241, 0.4560 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 66.8528, 0.3241, 0.4560 by changing the saturation by 10% instead.





 66.8528, 0.3241,  
0.4560

 66.8528, 0.3241,  
0.4560


449.4206, 0.3213,  
0.3930

 48.9650, 0.3239,  
0.4713


 114.7095, 0.3238,  
0.4334

 34.5917, 0.3232,  
0.4906


 145.4471, 0.3234,  
0.4248

 23.3485, 0.3214,  
0.5155


 181.2369, 0.3231,  
0.4175

 14.8511, 0.3175,  
0.5486

222.4631, 0.3227,  
0.4112

 8.7149, 0.3090,  
0.5941

269.5102, 0.3223,  
0.4057

 4.5557, 0.2986,  
0.6778

322.7625, 0.3220,

 1.9890, 0.2429,

0.4010

0.7571

382.6046, 0.3217,  
0.3967

0.6011, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.8528, 0.3241,  
0.4560

66.8528, 0.3241,  
0.4560

64.6811, 0.3249,  
0.4889

69.4032, 0.3223,  
0.4232

62.8608, 0.3244,  
0.5201


72.3409, 0.3198,  
0.3919


61.3743, 0.3225,  
0.5476


75.6849, 0.3169,  
0.3629


60.1989, 0.3192,  
0.5694

79.4504, 0.3137,  
0.3366

 59.3082, 0.3148,  
0.5842

 83.6519, 0.3105,  
0.3130

 58.8368, 0.3116,  
0.5908

 86.1986, 0.3138,  
0.3068

# Harmonies

## Analogous

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



66.8528, 0.3911, 0.4543



66.8528, 0.3241, 0.4560



66.8528, 0.2576, 0.4081

# Triad

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



66.8528, 0.3241, 0.4560



66.8528, 0.1957, 0.2300



66.8528, 0.4254, 0.3114

# Complementary

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



66.8528, 0.3241, 0.4560



35.1846, 0.2919, 0.2151

# Split Complementary

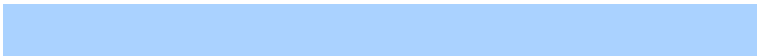
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.8528, 0.3610, 0.2649



66.8528, 0.3241, 0.4560



66.8528, 0.2295, 0.2194

# Square

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



66.8528, 0.3241, 0.4560



66.8528, 0.1886, 0.2678



66.8528, 0.2879, 0.2324



66.8528, 0.4549, 0.3645



# Rectangle

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



66.8528, 0.3241, 0.4560



66.8528, 0.2226, 0.3584



66.8528, 0.2879, 0.2324



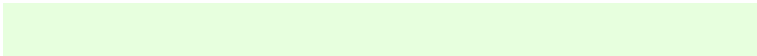
66.8528, 0.4067, 0.2948

# Sweetspot

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



66.8557, 0.3241, 0.4560



93.7937, 0.3169, 0.3628



61.8588, 0.3892, 0.4083



19.8694, 0.3176, 0.3691



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.



66.8557, 0.3241, 0.4560



80.3525, 0.3249, 0.4862



64.9494, 0.2950, 0.4336



16.2831, 0.3158, 0.3530



32.7152, 0.3125, 0.5900



2.4630, 0.3232, 0.5816



# Inverse Universe

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



35.1846, 0.2919, 0.2151



36.1346, 0.2857, 0.1914



38.3384, 0.3382, 0.2437



14.4022, 0.3093, 0.3055



7.8719, 0.2514, 0.1158



0.6277, 0.2619, 0.1216



# Previews

## White Background



This preview shows how the Yxy color 66.8528, 0.3241, 0.4560 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 66.8528, 0.3241, 0.4560 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 66.8528, 0.3241, 0.4560**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8528, 0.3241, 0.4560.



This preview shows how white text looks on a background with the Yxy color 66.8528, 0.3241, 0.4560.

# 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

66.8528, 0.3241, 0.4560

### Protanopia

66.3928, 0.3904, 0.4243

### Deuteranopia

65.8653, 0.4028, 0.3940



## Tritanopia

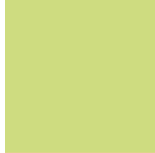
66.6479, 0.2738, 0.3092

# Trichromacy



## Original Color

66.8528, 0.3241, 0.4560



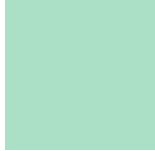
## Protanomaly

65.8667, 0.3637, 0.4361



## Deuteranomaly

65.1149, 0.3714, 0.4164



## Tritanomaly

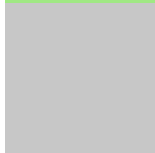
66.0928, 0.2925, 0.3596

# Monochromacy



## Original Color

66.8528, 0.3241, 0.4560



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.9980, 0.3180, 0.3739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8528, 0.3241, 0.4560 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(160, 232, 132)` looks like.

```
.text, #text, p{  
    color:rgb(160, 232, 132)  
}
```

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(160, 232, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 232, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8528, 0.3241, 0.4560 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(160, 232, 132) }
```

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

```
.border{ border-color:rgb(160, 232, 132) }
```

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

Here you see how a box with a 4 pixel rgb(160, 232, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 232, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 232, 132);  
box-shadow:4px 4px 4px 4px rgb(160, 232,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8528, 0.3241, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 232, 132) }
```

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

```
.background{ background-color: rgb(160,  
232, 132) }
```

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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