

# Converting Colors

Yxy(64.7104, 0.3824, 0.5233)

Have a look what the booklet for  
Yxy(64.7104, 0.3824, 0.5233)  
contains.

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**Color**

**Yxy(64.7104, 0.3824, 0.5233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E224
RGB	184, 226, 36
RGB Percent	72%, 89%, 14%
CMY	0.2783, 0.1137, 0.8591
CMYK	0.19, 0.00, 0.84, 0.11
HSL	73°, 77%, 51%
HSV	73°, 84%, 89%
XYZ	47.2869, 64.7104, 11.6610
YIQ	191.7820, 35.9580, -67.9940

# Conversions

## Conversions Part 2

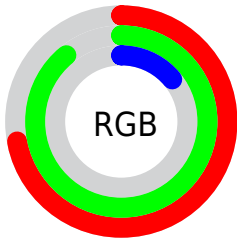
Format	Color
R <sub>Y</sub> B	36, 226, 78
Decimal	12116516
CIE Lab	84.33, -36.28, 78.01
CIE LCh	84, 86.038, 114.944
Yxy	64.7104, 0.3824, 0.5233
Android (android.graphics.Color)	4290306596 (0xFFB8E224)
YUV	191.7820, -76.8005, -6.8248
Hunter-Lab	80.4428, -35.8466, 47.7153

# Details

The Yxy color **64.7104, 0.3824, 0.5233** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **8.3641, 0.1776, 0.0849**, and the grayscale version is **53.0201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7124, 0.3901, 0.4740**, and **33.5614, 0.3738, 0.5414** is the 20% darker color. If you saturate the color by 10%, you get **64.0107, 0.3816, 0.5325**, and if you desaturate by 10%, it is **65.5246, 0.3807, 0.5094**.

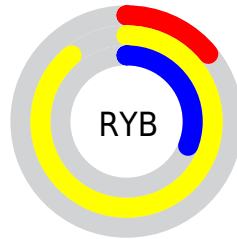
# Distribution



Red (72%)

Green (89%)

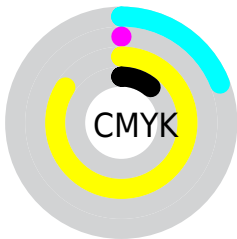
Blue (14%)



Red (14%)

Yellow (89%)

Blue (31%)

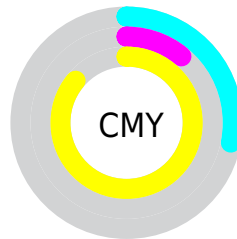


Cyan (19%)

Magenta (0%)

Yellow (84%)

Black (11%)



Cyan (28%)

Magenta (11%)


Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7104, 0.3824, 0.5233 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 64.7104, 0.3824, 0.5233 by changing the saturation by 10% instead.





 64.7104, 0.3824,  
0.5233


 64.7104, 0.3824,  
0.5233


441.7505, 0.3589,  
0.4325

 47.2263, 0.3843,  
0.5423


 111.6334, 0.3768,  
0.4928

 33.2146, 0.3847,  
0.5641


 141.8411, 0.3738,  
0.4806


 22.2909, 0.3819,  
0.5890


 177.0587, 0.3710,  
0.4699

 14.0708, 0.3772,  
0.6228

 217.6708, 0.3682,  
0.4605

 8.1699, 0.3544,  
0.6456

 264.0616, 0.3656,  
0.4523

 4.2039, 0.3202,  
0.6798

 316.6155, 0.3632,

 1.7882, 0.2582,

0.4449

0.7418

375.7171, 0.3610,  
0.4384

0.4798, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.7104, 0.3824,  
0.5233

64.7104, 0.3824,  
0.5233

64.0107, 0.3816,  
0.5325

65.5246, 0.3807,  
0.5094

63.6336, 0.3803,  
0.5363

66.4591, 0.3763,  
0.4910

67.5285, 0.3696,  
0.4689

68.7433, 0.3610,  
0.4441

70.1125, 0.3509,  
0.4177

71.6446, 0.3400,  
0.3908

73.3473, 0.3286,  
0.3644

75.2276, 0.3173,  
0.3390

77.2922, 0.3062,  
0.3151

# Harmonies

## Analogous

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



64.7104, 0.4677, 0.4670



64.7104, 0.3824, 0.5233



64.7104, 0.2853, 0.5116

# Triad

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



64.7104, 0.3824, 0.5233



64.7104, 0.1407, 0.2130



64.7104, 0.4221, 0.2582

# Complementary

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



64.7104, 0.3824, 0.5233



8.3641, 0.1776, 0.0849

# 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.



64.7104, 0.3108, 0.2080



64.7104, 0.3824, 0.5233



64.7104, 0.1626, 0.1804

# Square

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



64.7104, 0.3824, 0.5233



64.7104, 0.1516, 0.2898



64.7104, 0.2186, 0.1806



64.7104, 0.5042, 0.3225



# Rectangle

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



64.7104, 0.3824, 0.5233



64.7104, 0.2257, 0.4504



64.7104, 0.2186, 0.1806



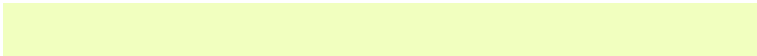
64.7104, 0.3854, 0.2394

# Sweetspot

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



64.7133, 0.3824, 0.5233



93.9800, 0.3412, 0.3937



21.6193, 0.5725, 0.3604



19.9595, 0.3451, 0.4032



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.



64.7133, 0.3824, 0.5233



83.6207, 0.3800, 0.5365



56.6818, 0.3192, 0.5707



15.8690, 0.3233, 0.3524



36.3579, 0.3809, 0.5358



2.5583, 0.3871, 0.5308



# Inverse Universe

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



8.3641, 0.1776, 0.0849



8.0695, 0.1603, 0.0657



15.5360, 0.2612, 0.1292



13.3885, 0.3015, 0.3050



3.5610, 0.1619, 0.0666

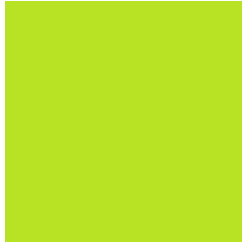


0.2862, 0.1768, 0.0748



# Previews

## White Background



This preview shows how the Yxy color 64.7104, 0.3824, 0.5233 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 64.7104, 0.3824, 0.5233 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 64.7104, 0.3824, 0.5233**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7104, 0.3824, 0.5233.



This preview shows how white text looks on a background with the Yxy color 64.7104, 0.3824, 0.5233.

# 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

64.7104, 0.3824, 0.5233

### Protanopia

64.0250, 0.4368, 0.4832

### Deuteranopia

64.0532, 0.4282, 0.4241



## Tritanopia

64.1958, 0.2956, 0.3097

# Trichromacy



## Original Color

64.7104, 0.3824, 0.5233

## Protanomaly

63.9733, 0.4163, 0.4983

## Deuteranomaly

63.3304, 0.4148, 0.4624

## Tritanomaly

63.1825, 0.3366, 0.3995

# Monochromacy



## Original Color

64.7104, 0.3824, 0.5233

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

55.7538, 0.3506, 0.4163

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7104, 0.3824, 0.5233 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(184, 226, 36)` looks like.

```
.text, #text, p{  
    color:rgb(184, 226, 36)  
}
```

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(184, 226, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 226, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7104, 0.3824, 0.5233 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(184, 226, 36) }
```

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

```
.border{ border-color:rgb(184, 226, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 226, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 226, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 226, 36);  
box-shadow:4px 4px 4px 4px rgb(184, 226,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7104, 0.3824, 0.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 226, 36) }
```

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

```
.background{ background-color: rgb(184,  
226, 36) }
```

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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