

# Converting Colors

$Yxy(62.1437, 0.3837, 0.4989)$

Have a look what the booklet for  
Yxy(62.1437, 0.3837, 0.4989)  
contains.

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# Color

**Yxy(62.1327, 0.3838, 0.4988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFDB42
RGB	191, 219, 66
RGB Percent	75%, 86%, 26%
CMY	0.2508, 0.1412, 0.7412
CMYK	0.13, 0.00, 0.70, 0.14
HSL	71°, 68%, 56%
HSV	71°, 70%, 86%
XYZ	47.8078, 62.1327, 14.6239
YIQ	193.1860, 32.4250, -53.5190

# Conversions

## Conversions Part 2

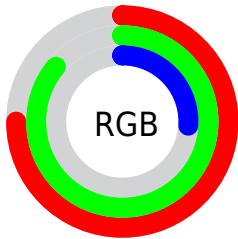
Format	Color
<b>RYB</b>	66, 219, 94
Decimal	12573506
CIELab	82.98, -29.01, 68.24
CIELCh	83, 74.151, 113.035
Yxy	62.1327, 0.3838, 0.4988
Android (android.graphics.Color)	4290763586 (0xFFBFDB42)
YUV	193.1860, -62.7027, -1.9171
Hunter-Lab	78.8243, -29.6803, 44.1772

# Details

The Yxy color **62.1327, 0.3838, 0.4988** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **11.3851, 0.1955, 0.1151**, and the grayscale version is **53.8097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2741, 0.3849, 0.4558**, and **31.6193, 0.3876, 0.5304** is the 20% darker color. If you saturate the color by 10%, you get **61.4130, 0.3873, 0.5139**, and if you desaturate by 10%, it is **62.9710, 0.3777, 0.4795**.

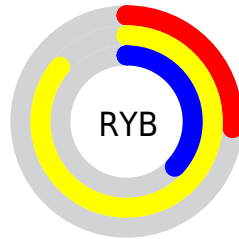
# Distribution



Red (75%)

Green (86%)

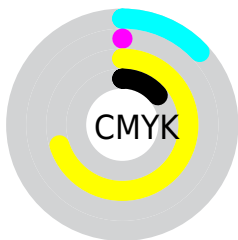
Blue (26%)



Red (26%)

Yellow (86%)

Blue (37%)

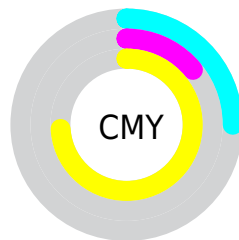


Cyan (13%)

Magenta (0%)

Yellow (70%)

Black (14%)



Cyan (25%)

Magenta (14%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1327, 0.3838, 0.4988 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 62.1327, 0.3838, 0.4988 by changing the saturation by 10% instead.




 62.1327, 0.3838,  
0.4988

 62.1327, 0.3838,  
0.4988


432.4150, 0.3566,  
0.4183


 45.1399, 0.3875,  
0.5163


 107.9173, 0.3762,  
0.4713

 31.5677, 0.3906,  
0.5368


 137.4779, 0.3726,  
0.4604


 21.0315, 0.3918,  
0.5609


 171.9966, 0.3693,  
0.4510

 13.1470, 0.3905,  
0.5910

 211.8578, 0.3663,  
0.4428

 7.5299, 0.3789,  
0.6211

 257.4458, 0.3636,  
0.4355

 3.7956, 0.3499,  
0.6501

309.1451, 0.3610,

 1.5599, 0.2966,

0.4291

0.7034

367.3400, 0.3587,  
0.4234

0.3303, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.1327, 0.3838,  
0.4988

62.1327, 0.3838,  
0.4988

61.4130, 0.3873,  
0.5139

62.9710, 0.3777,  
0.4795

60.7914, 0.3883,  
0.5244

63.9297, 0.3694,  
0.4569

60.2495, 0.3870,  
0.5308

65.0206, 0.3594,  
0.4319

60.2427, 0.3870,  
0.5309

66.2518, 0.3483,  
0.4057

67.6305, 0.3364,  
0.3793

69.1636, 0.3244,  
0.3534

70.8575, 0.3126,  
0.3287

72.7181, 0.3012,  
0.3055

74.2198, 0.2953,  
0.2919

# Harmonies

## Analogous

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



62.1327, 0.4574, 0.4521



62.1327, 0.3838, 0.4988



62.1327, 0.2967, 0.4888

# Triad

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



62.1327, 0.3838, 0.4988



62.1327, 0.1571, 0.2302



62.1327, 0.4029, 0.2630

# Complementary

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



62.1327, 0.3838, 0.4988



11.3851, 0.1955, 0.1151

# 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.



62.1327, 0.3060, 0.2179



62.1327, 0.3838, 0.4988



62.1327, 0.1754, 0.1967

# Square

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



62.1327, 0.3838, 0.4988



62.1327, 0.1704, 0.3024



62.1327, 0.2251, 0.1944



62.1327, 0.4776, 0.3220



# Rectangle

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



62.1327, 0.3838, 0.4988



62.1327, 0.2421, 0.4394



62.1327, 0.2251, 0.1944



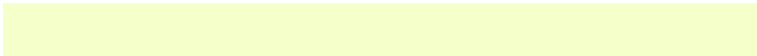
62.1327, 0.3709, 0.2460

# Sweetspot

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



62.1355, 0.3838, 0.4988



95.2097, 0.3380, 0.3827



23.0179, 0.5244, 0.3552



20.2599, 0.3413, 0.3901



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.



62.1355, 0.3838, 0.4988



86.2572, 0.3881, 0.5195



54.8350, 0.3284, 0.5353



15.1374, 0.3239, 0.3523



35.7668, 0.3875, 0.5305



2.3491, 0.3930, 0.5262



# Inverse Universe

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



11.3851, 0.1955, 0.1151



10.4947, 0.1728, 0.0819



17.3326, 0.2641, 0.1482



12.7310, 0.3009, 0.3050



3.3346, 0.1587, 0.0648



0.2506, 0.1734, 0.0729



# Previews

## White Background



This preview shows how the Yxy color 62.1327, 0.3838, 0.4988 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 62.1327, 0.3838, 0.4988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

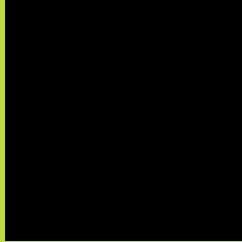
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.1327, 0.3838, 0.4988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1327, 0.3838, 0.4988.



This preview shows how white text looks on a background with the Yxy color 62.1327, 0.3838, 0.4988.

# 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

62.1327, 0.3838, 0.4988

### Protanopia

61.9735, 0.4260, 0.4701

### Deuteranopia

61.4444, 0.4419, 0.4328



## Tritanopia

62.1485, 0.3031, 0.3108

# Trichromacy



**Original Color**

62.1327, 0.3838, 0.4988

**Protanomaly**

61.5576, 0.4103, 0.4807

**Deuteranomaly**

60.9207, 0.4215, 0.4559

**Tritanomaly**

61.2273, 0.3376, 0.3833

# Monochromacy



**Original Color**

62.1327, 0.3838, 0.4988

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

55.5541, 0.3451, 0.3983

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1327, 0.3838, 0.4988 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(191, 219, 66)` looks like.

```
.text, #text, p{  
    color:rgb(191, 219, 66)  
}
```

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(191, 219, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 219, 66) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1327, 0.3838, 0.4988 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(191, 219, 66) }
```

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

```
.border{ border-color:rgb(191, 219, 66) }
```

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

Here you see how a box with a 4 pixel rgb(191, 219, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 219, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 219, 66);  
box-shadow:4px 4px 4px 4px rgb(191, 219,  
66) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1327, 0.3838, 0.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 219, 66) }
```

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

```
.background{ background-color: rgb(191,  
219, 66) }
```

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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