

# Converting Colors

Yxy(62.1886, 0.3748, 0.4927)

Have a look what the booklet for  
Yxy(62.1886, 0.3748, 0.4927)  
contains.

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# Color

**Yxy(62.1756, 0.3744, 0.4930)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADC4E
RGB	186, 220, 78
RGB Percent	73%, 86%, 31%
CMY	0.2706, 0.1372, 0.6940
CMYK	0.15, 0.00, 0.65, 0.14
HSL	74°, 67%, 58%
HSV	74°, 65%, 86%
XYZ	47.2181, 62.1756, 16.7231
YIQ	193.6460, 25.3180, -51.3700

# Conversions

## Conversions Part 2

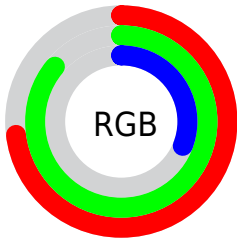
Format	Color
<b>RYB</b>	78, 220, 112
Decimal	12246094
CIELab	83.01, -30.75, 63.59
CIElCh	83, 70.641, 115.809
Yxy	62.1756, 0.3744, 0.4930
Android (android.graphics.Color)	4290436174 (0xFFBADDC4E)
YUV	193.6460, -57.0135, -6.7055
Hunter-Lab	78.8515, -31.1001, 42.6216

# Details

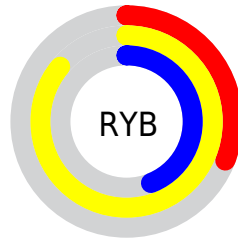
The Yxy color **62.1756, 0.3744, 0.4930** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.0658, 0.2114, 0.1331**, and the grayscale version is **54.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6259, 0.3765, 0.4491**, and **31.6016, 0.3800, 0.5320** is the 20% darker color. If you saturate the color by 10%, you get **61.2659, 0.3783, 0.5116**, and if you desaturate by 10%, it is **63.2208, 0.3681, 0.4706**.

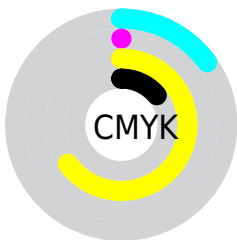
# Distribution



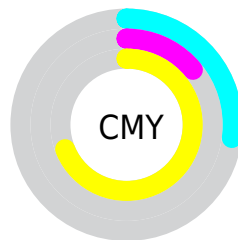
- Red (73%)
- Green (86%)
- Blue (31%)



- Red (31%)
- Yellow (86%)
- Blue (44%)



- Cyan (15%)
- Magenta (0%)
- Yellow (65%)
- Black (14%)




- Cyan (27%)
- Magenta (14%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1756, 0.3744, 0.4930 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 62.1756, 0.3744, 0.4930 by changing the saturation by 10% instead.





 62.1756, 0.3744,  
0.4930

 62.1756, 0.3744,  
0.4930


432.5713, 0.3507,  
0.4142

 45.1746, 0.3777,  
0.5106


 107.9793, 0.3677,  
0.4657


 31.5950, 0.3805,  
0.5318


 137.5508, 0.3646,  
0.4550

 21.0523, 0.3817,  
0.5571


 172.0812, 0.3618,  
0.4458

 13.1623, 0.3794,  
0.5876

 211.9549, 0.3591,  
0.4378

 7.5404, 0.3722,  
0.6278

 257.5564, 0.3567,  
0.4308

 3.8023, 0.3414,  
0.6586

309.2701, 0.3546,

 1.5636, 0.2832,

0.4246

0.7168

367.4802, 0.3526,  
0.4191

■ 0.3329, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.1756, 0.3744,  
0.4930

■ 62.1756, 0.3744,  
0.4930

■ 61.2659, 0.3783,  
0.5116

■ 63.2208, 0.3681,  
0.4706

■ 60.4720, 0.3796,  
0.5257

■ 64.4028, 0.3599,  
0.4456

■ 59.7830, 0.3784,  
0.5351

■ 65.7331, 0.3502,  
0.4191

■ 59.4386, 0.3771,  
0.5388

■ 67.2195, 0.3397,  
0.3921

68.8695, 0.3287,  
0.3655

70.6896, 0.3176,  
0.3401

72.6864, 0.3069,  
0.3161

74.8657, 0.2966,  
0.2940

75.8042, 0.2995,  
0.2934

# Harmonies

## Analogous

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



62.1756, 0.4467, 0.4533



62.1756, 0.3744, 0.4930



62.1756, 0.2905, 0.4755

# Triad

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



62.1756, 0.3744, 0.4930



62.1756, 0.1633, 0.2303



62.1756, 0.4069, 0.2707

# Complementary

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



62.1756, 0.3744, 0.4930



14.0658, 0.2114, 0.1331

# 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.



62.1756, 0.3149, 0.2254



62.1756, 0.3744, 0.4930



62.1756, 0.1838, 0.2005

# Square

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



62.1756, 0.3744, 0.4930



62.1756, 0.1735, 0.2963



62.1756, 0.2349, 0.2005



62.1756, 0.4740, 0.3287



# Rectangle

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



62.1756, 0.3744, 0.4930



62.1756, 0.2391, 0.4251



62.1756, 0.2349, 0.2005



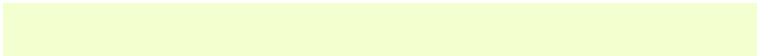
62.1756, 0.3770, 0.2538

# Sweetspot

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



62.1784, 0.3744, 0.4930



95.1281, 0.3338, 0.3777



27.1685, 0.4926, 0.3657



20.2206, 0.3369, 0.3854



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.



62.1784, 0.3744, 0.4930



85.2378, 0.3790, 0.5165



55.4446, 0.3231, 0.5245



15.0986, 0.3230, 0.3524



34.9357, 0.3777, 0.5383



2.3019, 0.3848, 0.5326



# Inverse Universe

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



14.0658, 0.2114, 0.1331



13.3566, 0.1893, 0.0992



20.5817, 0.2789, 0.1641



12.7670, 0.3018, 0.3051



3.5151, 0.1638, 0.0676



0.2676, 0.1803, 0.0767



# Previews

## White Background



This preview shows how the Yxy color 62.1756, 0.3744, 0.4930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

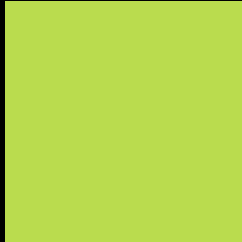
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1756, 0.3744, 0.4930 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 62.1756, 0.3744, 0.4930**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1756, 0.3744, 0.4930.

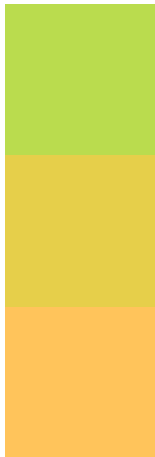


This preview shows how white text looks on a background with the Yxy color 62.1756, 0.3744, 0.4930.

# 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

62.1756, 0.3744, 0.4930

### Protanopia

61.9431, 0.4205, 0.4637

### Deuteranopia

61.4952, 0.4402, 0.4306



## Tritanopia

61.9731, 0.2988, 0.3106

# Trichromacy



## Original Color

62.1756, 0.3744, 0.4930

## Protanomaly

61.8911, 0.4034, 0.4751

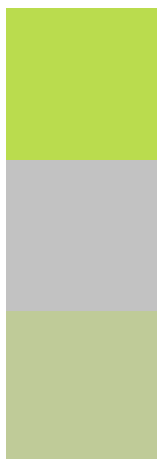
## Deuteranomaly

61.1575, 0.4160, 0.4532

## Tritanomaly

61.2266, 0.3300, 0.3789

# Monochromacy



## Original Color

62.1756, 0.3744, 0.4930

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

56.0552, 0.3403, 0.3933

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1756, 0.3744, 0.4930 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(186, 220, 78)` looks like.

```
.text, #text, p{  
    color:rgb(186, 220, 78)  
}
```

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(186, 220, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 220, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1756, 0.3744, 0.4930 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(186, 220, 78) }
```

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

```
.border{ border-color:rgb(186, 220, 78) }
```

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

Here you see how a box with a 4 pixel rgb(186, 220, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 220, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 220, 78);  
box-shadow:4px 4px 4px 4px rgb(186, 220,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1756, 0.3744, 0.4930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 220, 78) }
```

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

```
.background{ background-color: rgb(186,  
220, 78) }
```

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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