

Converting Colors

$Yxy(57.5345, 0.3737, 0.4959)$

Have a look what the booklet for
Yxy(57.5345, 0.3737, 0.4959)
contains.

Yxy(57.5345, 0.3737, 0.4959)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.5345, 0.3737, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	B2D549
RGB	178, 213, 73
RGB Percent	70%, 84%, 29%
CMY	0.3020, 0.1647, 0.7136
CMYK	0.16, 0.00, 0.66, 0.16
HSL	75°, 62%, 56%
HSV	75°, 66%, 84%
XYZ	43.3568, 57.5345, 15.1291
YIQ	186.5750, 24.0800, -50.9600

Conversions

Conversions Part 2

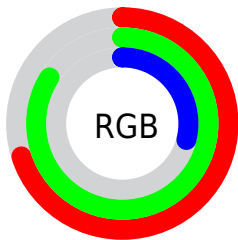
Format	Color
RYB	73, 213, 108
Decimal	11720009
CIELab	80.48, -30.96, 62.75
CIElCh	80, 69.978, 116.262
Yxy	57.5345, 0.3737, 0.4959
Android (android.graphics.Color)	4289910089 (0xFFB2D549)
YUV	186.5750, -55.9925, -7.5203
Hunter-Lab	75.8515, -30.7093, 41.2703

Details

The Yxy color **57.5345, 0.3737, 0.4959** 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 **12.7655, 0.2107, 0.1307**, and the grayscale version is **49.7559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9114, 0.3727, 0.4563**, and **28.5935, 0.3799, 0.5361** is the 20% darker color. If you saturate the color by 10%, you get **56.6830, 0.3771, 0.5143**, and if you desaturate by 10%, it is **58.5123, 0.3679, 0.4737**.

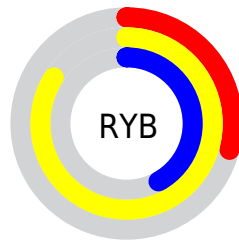
Distribution



Red (70%)

Green (84%)

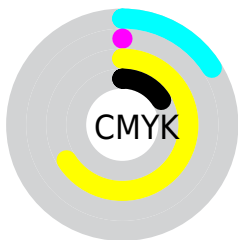
Blue (29%)



Red (29%)

Yellow (84%)

Blue (42%)

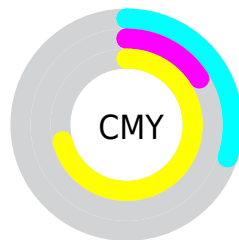


Cyan (16%)

Magenta (0%)

Yellow (66%)

Black (16%)



Cyan (30%)


Magenta (16%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5345, 0.3737, 0.4959 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 57.5345, 0.3737, 0.4959 by changing the saturation by 10% instead.

 57.5345, 0.3737,
0.4959

 57.5345, 0.3737,
0.4959


415.4491, 0.3502,
0.4145


 41.4345, 0.3769,
0.5143


 101.2447, 0.3671,
0.4675


 28.6588, 0.3794,
0.5366


 129.6237, 0.3640,
0.4564


 18.8228, 0.3799,
0.5633


 162.8645, 0.3612,
0.4469

 11.5423, 0.3774,
0.5972

 201.3514, 0.3586,
0.4387

 6.4329, 0.3648,
0.6352

 245.4690, 0.3562,
0.4315

 3.1100, 0.3299,
0.6701

295.6015, 0.3540,

 1.1894, 0.2257,

0.4252

0.7743

352.1335, 0.3520,
0.4195

0.0531, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.5345, 0.3737,
0.4959

57.5345, 0.3737,
0.4959

56.6830, 0.3771,
0.5143

58.5123, 0.3679,
0.4737

55.9396, 0.3780,
0.5281

59.6180, 0.3600,
0.4488

55.2937, 0.3764,
0.5372

60.8621, 0.3507,
0.4222

55.0365, 0.3753,
0.5402

62.2522, 0.3404,
0.3952

■ 63.7951, 0.3297,
0.3685

■ 65.4970, 0.3188,
0.3430

■ 67.3639, 0.3082,
0.3189

■ 69.4014, 0.2980,
0.2966

■ 70.9715, 0.2944,
0.2855

Harmonies

Analogous

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



57.5345, 0.4475, 0.4556



57.5345, 0.3737, 0.4959



57.5345, 0.2887, 0.4774

Triad

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



57.5345, 0.3737, 0.4959



57.5345, 0.1614, 0.2280



57.5345, 0.4098, 0.2706

Complementary

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



57.5345, 0.3737, 0.4959



12.7655, 0.2107, 0.1307

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.



57.5345, 0.3162, 0.2246



57.5345, 0.3737, 0.4959



57.5345, 0.1826, 0.1986

Square

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



57.5345, 0.3737, 0.4959



57.5345, 0.1712, 0.2942



57.5345, 0.2347, 0.1991



57.5345, 0.4773, 0.3294

Rectangle

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



57.5345, 0.3737, 0.4959



57.5345, 0.2367, 0.4255



57.5345, 0.2347, 0.1991



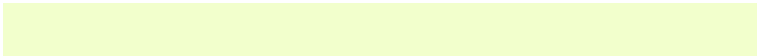
57.5345, 0.3794, 0.2534

Sweetspot

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



57.5371, 0.3737, 0.4959



94.7999, 0.3345, 0.3804



25.3597, 0.4945, 0.3687



20.1515, 0.3376, 0.3880



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.



57.5371, 0.3737, 0.4959



84.7058, 0.3778, 0.5205



51.2628, 0.3215, 0.5284



14.3563, 0.3228, 0.3523



33.6672, 0.3760, 0.5397



2.0686, 0.3838, 0.5335

Inverse Universe

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



12.7655, 0.2107, 0.1307



12.7561, 0.1876, 0.0955



19.0409, 0.2807, 0.1632



12.1573, 0.3020, 0.3052



3.4425, 0.1650, 0.0682



0.2471, 0.1829, 0.0781

Previews

White Background



This preview shows how the Yxy color 57.5345, 0.3737, 0.4959 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 57.5345, 0.3737, 0.4959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

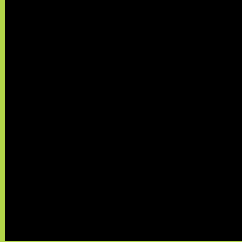
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5345, 0.3737, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 57.5345, 0.3737, 0.4959.



This preview shows how white text looks on a background with the Yxy color 57.5345, 0.3737, 0.4959.

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

57.5345, 0.3737, 0.4959

Protanopia

57.4262, 0.4222, 0.4648

Deuteranopia

56.9457, 0.4456, 0.4346



Tritanopia

57.2225, 0.2976, 0.3100

Trichromacy



Original Color

57.5345, 0.3737, 0.4959

Protanomaly

57.3702, 0.4044, 0.4767

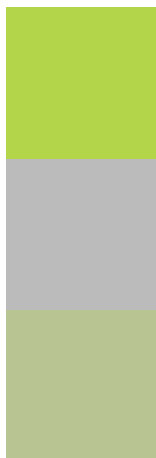
Deuteranomaly

56.6262, 0.4193, 0.4566

Tritanomaly

56.5214, 0.3297, 0.3808

Monochromacy



Original Color

57.5345, 0.3737, 0.4959

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.7455, 0.3405, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5345, 0.3737, 0.4959 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(178, 213, 73)` looks like.

```
.text, #text, p{  
    color:rgb(178, 213, 73)  
}
```

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(178, 213, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 213, 73) }
```

Border

The CSS property to change the border of an element to Yxy 57.5345, 0.3737, 0.4959 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(178, 213, 73) }
```

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

```
.border{ border-color:rgb(178, 213, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 213, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 213, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 213, 73);  
box-shadow:4px 4px 4px 4px rgb(178, 213,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5345, 0.3737, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 213, 73) }
```

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

```
.background{ background-color: rgb(178,  
213, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor