

Converting Colors

$Yxy(60.7982, 0.3636, 0.4891)$

Have a look what the booklet for
Yxy(60.7982, 0.3636, 0.4891)
contains.

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Color

Yxy(60.6983, 0.3637, 0.4886)

Conversions

Conversions Part 1

Format	Color
Hex	B1DB57
RGB	177, 219, 87
RGB Percent	69%, 86%, 34%
CMY	0.3059, 0.1412, 0.6589
CMYK	0.19, 0.00, 0.60, 0.14
HSL	79°, 65%, 60%
HSV	79°, 60%, 86%
XYZ	45.1821, 60.6983, 18.3486
YIQ	191.3940, 17.3400, -49.9560

Conversions

Conversions Part 2

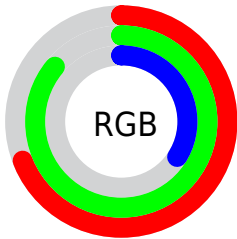
Format	Color
R _Y B	87, 219, 129
Decimal	11656023
CIE Lab	82.22, -33.12, 58.87
CIE LCh	82, 67.547, 119.365
Yxy	60.6983, 0.3637, 0.4886
Android (android.graphics.Color)	4289846103 (0xFFB1DB57)
YUV	191.3940, -51.4662, -12.6235
Hunter-Lab	77.9091, -32.8228, 40.5728

Details

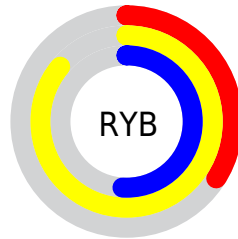
The Yxy color **60.6983, 0.3637, 0.4886** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **16.5971, 0.2280, 0.1499**, and the grayscale version is **52.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1053, 0.3654, 0.4449**, and **30.7046, 0.3684, 0.5289** is the 20% darker color. If you saturate the color by 10%, you get **59.5981, 0.3673, 0.5106**, and if you desaturate by 10%, it is **61.9543, 0.3579, 0.4635**.

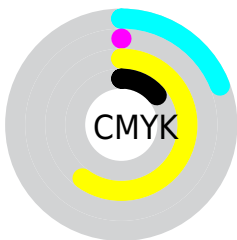
Distribution



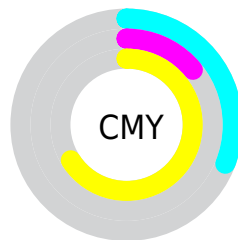
- Red (69%)
- Green (86%)
- Blue (34%)



- Red (34%)
- Yellow (86%)
- Blue (51%)



- Cyan (19%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)




- Cyan (31%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6983, 0.3637, 0.4886 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 60.6983, 0.3637, 0.4886 by changing the saturation by 10% instead.


 60.6983, 0.3637,
0.4886


 60.6983, 0.3637,
0.4886

427.1669, 0.3443,
0.4105


 43.9817, 0.3663,
0.5066


 105.8420, 0.3583,
0.4611


 30.6561, 0.3684,
0.5286


 135.0379, 0.3557,
0.4505

 20.3372, 0.3690,
0.5556

 169.1623, 0.3534,
0.4414

 12.6404, 0.3659,
0.5887

 208.5998, 0.3512,
0.4335

 7.1814, 0.3609,
0.6391

253.7345, 0.3493,
0.4267

 3.5758, 0.3264,
0.6736

304.9511, 0.3475,

 1.4392, 0.2489,

0.4206

0.7511

362.6337, 0.3458,
0.4153

0.2454, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.6983, 0.3637,
0.4886

60.6983, 0.3637,
0.4886

59.5981, 0.3673,
0.5106

61.9543, 0.3579,
0.4635

58.6348, 0.3684,
0.5283

63.3674, 0.3504,
0.4364

57.7983, 0.3670,
0.5411

64.9489, 0.3418,
0.4086

57.0854, 0.3637,
0.5494

66.7068, 0.3323,
0.3811

■ 68.6482, 0.3226,
0.3546

■ 70.7801, 0.3130,
0.3297

■ 73.1088, 0.3036,
0.3066

■ 75.1682, 0.2991,
0.2923

■ 76.3628, 0.3038,
0.2928

Harmonies

Analogous

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



60.6983, 0.4359, 0.4562



60.6983, 0.3637, 0.4886



60.6983, 0.2824, 0.4628

Triad

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



60.6983, 0.3637, 0.4886



60.6983, 0.1684, 0.2285



60.6983, 0.4133, 0.2789

Complementary

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



60.6983, 0.3637, 0.4886



16.5971, 0.2280, 0.1499

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.



60.6983, 0.3255, 0.2328



60.6983, 0.3637, 0.4886



60.6983, 0.1919, 0.2030

Square

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



60.6983, 0.3637, 0.4886



60.6983, 0.1749, 0.2884



60.6983, 0.2453, 0.2059



60.6983, 0.4727, 0.3365

Rectangle

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



60.6983, 0.3637, 0.4886



60.6983, 0.2340, 0.4106



60.6983, 0.2453, 0.2059



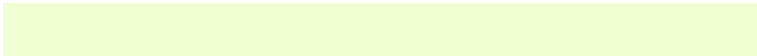
60.6983, 0.3853, 0.2619

Sweetspot

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



60.7010, 0.3637, 0.4886



94.7226, 0.3303, 0.3754



31.3959, 0.4659, 0.3774



20.1095, 0.3331, 0.3833



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.



60.7010, 0.3637, 0.4886



83.7928, 0.3678, 0.5151



54.7466, 0.3167, 0.5156



15.0453, 0.3218, 0.3524



33.9077, 0.3645, 0.5488



2.2421, 0.3737, 0.5415

Inverse Universe

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



16.5971, 0.2280, 0.1499



16.5097, 0.2074, 0.1161



23.5057, 0.2935, 0.1785



12.8173, 0.3030, 0.3052



3.8500, 0.1729, 0.0726



0.2948, 0.1909, 0.0825

Previews

White Background



This preview shows how the Yxy color 60.6983, 0.3637, 0.4886 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 60.6983, 0.3637, 0.4886 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 60.6983, 0.3637, 0.4886

Background



This preview shows how black text looks on a background with the Yxy color 60.6983, 0.3637, 0.4886.



This preview shows how white text looks on a background with the Yxy color 60.6983, 0.3637, 0.4886.

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

60.6983, 0.3637, 0.4886

Protanopia

60.1412, 0.4158, 0.4560

Deuteranopia

60.0872, 0.4374, 0.4277



Tritanopia

60.2740, 0.2923, 0.3091

Trichromacy



Original Color

60.6983, 0.3637, 0.4886

Protanomaly

59.7963, 0.3968, 0.4681

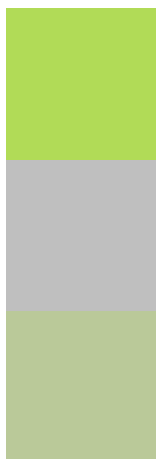
Deuteranomaly

59.4748, 0.4104, 0.4496

Tritanomaly

59.6751, 0.3210, 0.3750

Monochromacy



Original Color

60.6983, 0.3637, 0.4886

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.5123, 0.3359, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6983, 0.3637, 0.4886 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(177, 219, 87)` looks like.

```
.text, #text, p{  
    color:rgb(177, 219, 87)  
}
```

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(177, 219, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 219, 87) }
```

Border

The CSS property to change the border of an element to Yxy 60.6983, 0.3637, 0.4886 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(177, 219, 87) }
```

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

```
.border{ border-color:rgb(177, 219, 87) }
```

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

Here you see how a box with a 4 pixel rgb(177, 219, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 219, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 219, 87);  
box-shadow:4px 4px 4px 4px rgb(177, 219,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6983, 0.3637, 0.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 219, 87) }
```

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

```
.background{ background-color: rgb(177,  
219, 87) }
```

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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