

Converting Colors

$Yxy(61.0256, 0.3566, 0.4854)$

Have a look what the booklet for
Yxy(61.0256, 0.3566, 0.4854)
contains.

Yxy(60.8609, 0.3573, 0.4853)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(60.8609, 0.3573, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	ADDC5D
RGB	173, 220, 93
RGB Percent	68%, 86%, 36%
CMY	0.3214, 0.1373, 0.6353
CMYK	0.21, 0.00, 0.58, 0.14
HSL	82°, 64%, 61%
HSV	82°, 58%, 86%
XYZ	44.8086, 60.8609, 19.7393
YIQ	191.4690, 12.7550, -49.4610

Conversions

Conversions Part 2

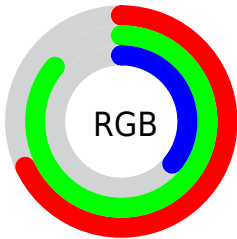
Format	Color
R_{YB}	93, 220, 140
Decimal	11394141
CIE _{Lab}	82.30, -34.58, 56.30
CIE _{LCh}	82, 66.068, 121.560
Yxy	60.8609, 0.3573, 0.4853
Android (android.graphics.Color)	4289584221 (0xFFADD5)
YUV	191.4690, -48.5452, -16.1973
Hunter-Lab	78.0134, -33.9984, 39.6075

Details

The Yxy color **60.8609, 0.3573, 0.4853** 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 **18.5661, 0.2382, 0.1600**, and the grayscale version is **52.6741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6155, 0.3595, 0.4403**, and **30.8321, 0.3605, 0.5258** is the 20% darker color. If you saturate the color by 10%, you get **59.6287, 0.3606, 0.5092**, and if you desaturate by 10%, it is **62.2671, 0.3519, 0.4586**.

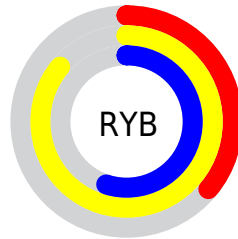
Distribution



Red (68%)

Green (86%)

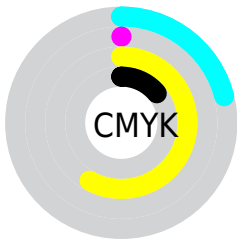
Blue (36%)



Red (36%)

Yellow (86%)

Blue (55%)

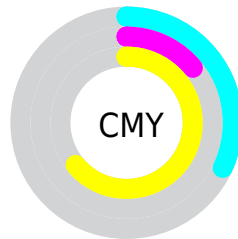


Cyan (21%)

Magenta (0%)

Yellow (58%)

Black (14%)



Cyan (32%)


Magenta (14%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8609, 0.3573, 0.4853 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 60.8609, 0.3573, 0.4853 by changing the saturation by 10% instead.


 60.8609, 0.3573,
0.4853

 60.8609, 0.3573,
0.4853


427.7638, 0.3406,
0.4083


 44.1129, 0.3595,
0.5033

 106.0775, 0.3527,
0.4581


 30.7593, 0.3611,
0.5255


 135.3149, 0.3505,
0.4476

 20.4156, 0.3613,
0.5530


 169.4843, 0.3485,
0.4386

 12.6975, 0.3581,
0.5874

 208.9699, 0.3466,
0.4309

 7.2206, 0.3553,
0.6447

254.1563, 0.3449,
0.4241

 3.6004, 0.3195,
0.6805

305.4278, 0.3433,

 1.4527, 0.2367,

0.4182

0.7633

363.1689, 0.3419,
0.4130

0.2551, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.8609, 0.3573,
0.4853

60.8609, 0.3573,
0.4853

59.6287, 0.3606,
0.5092

62.2671, 0.3519,
0.4586

58.5515, 0.3615,
0.5291

63.8488, 0.3450,
0.4305

57.6192, 0.3600,
0.5442

65.6177, 0.3370,
0.4021


56.8148, 0.3562,
0.5542

67.5818, 0.3284,
0.3744


 56.6441, 0.3552,
0.5561

 69.7487, 0.3195,
0.3481

 72.1255, 0.3107,
0.3236

 74.7190, 0.3022,
0.3011

 76.6013, 0.3027,
0.2937

 78.0422, 0.3083,
0.2943

Harmonies

Analogous

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



60.8609, 0.4293, 0.4575



60.8609, 0.3573, 0.4853



60.8609, 0.2777, 0.4548

Triad

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



60.8609, 0.3573, 0.4853



60.8609, 0.1718, 0.2278



60.8609, 0.4167, 0.2839

Complementary

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



60.8609, 0.3573, 0.4853



18.5661, 0.2382, 0.1600

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.



60.8609, 0.3318, 0.2374



60.8609, 0.3573, 0.4853



60.8609, 0.1971, 0.2047

Square

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



60.8609, 0.3573, 0.4853



60.8609, 0.1761, 0.2841



60.8609, 0.2518, 0.2093



60.8609, 0.4715, 0.3412

Rectangle

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



60.8609, 0.3573, 0.4853



60.8609, 0.2312, 0.4020



60.8609, 0.2518, 0.2093



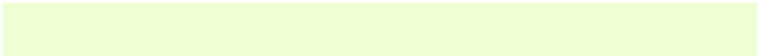
60.8609, 0.3899, 0.2668

Sweetspot

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



60.8636, 0.3573, 0.4853



94.6016, 0.3279, 0.3729



34.6337, 0.4517, 0.3834



20.1241, 0.3296, 0.3784



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.



60.8636, 0.3573, 0.4853



83.0252, 0.3610, 0.5132



55.2853, 0.3132, 0.5095



15.0108, 0.3210, 0.3525



33.3102, 0.3562, 0.5554



2.2064, 0.3665, 0.5472

Inverse Universe

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



18.5661, 0.2382, 0.1600



18.7580, 0.2192, 0.1270



25.7002, 0.3013, 0.1867



12.8505, 0.3038, 0.3052



4.1264, 0.1802, 0.0766



0.3154, 0.1986, 0.0868

Previews

White Background



This preview shows how the Yxy color 60.8609, 0.3573, 0.4853 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 60.8609, 0.3573, 0.4853 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 60.8609, 0.3573, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 60.8609, 0.3573, 0.4853.



This preview shows how white text looks on a background with the Yxy color 60.8609, 0.3573, 0.4853.

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

60.8609, 0.3573, 0.4853

Protanopia

60.2212, 0.4131, 0.4521

Deuteranopia

60.0129, 0.4329, 0.4232



Tritanopia

60.9005, 0.2896, 0.3102

Trichromacy



Original Color

60.8609, 0.3573, 0.4853

Protanomaly

60.0968, 0.3914, 0.4647

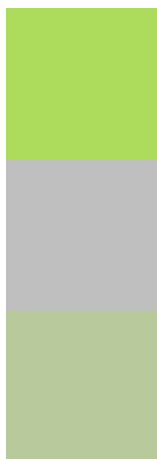
Deuteranomaly

59.2629, 0.4053, 0.4452

Tritanomaly

60.4119, 0.3165, 0.3738

Monochromacy



Original Color

60.8609, 0.3573, 0.4853

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.7980, 0.3326, 0.3894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8609, 0.3573, 0.4853 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(173, 220, 93)` looks like.

```
.text, #text, p{  
    color:rgb(173, 220, 93)  
}
```

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(173, 220, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 220, 93) }
```

Border

The CSS property to change the border of an element to Yxy 60.8609, 0.3573, 0.4853 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(173, 220, 93) }
```

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

```
.border{ border-color:rgb(173, 220, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 220, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 220, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 220, 93);  
box-shadow:4px 4px 4px 4px rgb(173, 220,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8609, 0.3573, 0.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 220, 93) }
```

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

```
.background{ background-color: rgb(173,  
220, 93) }
```

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