

Converting Colors

$Yxy(57.4992, 0.3657, 0.5098)$

Have a look what the booklet for
Yxy(57.4992, 0.3657, 0.5098)
contains.

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Color

Yxy(57.6121, 0.3653, 0.5099)

Conversions

Conversions Part 1

Format	Color
Hex	A6D842
RGB	166, 216, 66
RGB Percent	65%, 85%, 26%
CMY	0.3488, 0.1530, 0.7411
CMYK	0.23, 0.00, 0.69, 0.15
HSL	80°, 66%, 55%
HSV	80°, 69%, 85%
XYZ	41.2742, 57.6121, 14.1008
YIQ	183.9500, 18.3500, -57.2500

Conversions

Conversions Part 2

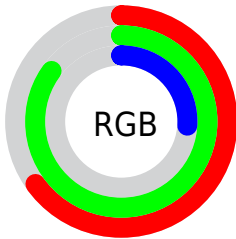
Format	Color
RYB	66, 216, 116
Decimal	10934338
CIELab	80.52, -37.41, 65.23
CIELCh	81, 75.200, 119.837
Yxy	57.6121, 0.3653, 0.5099
Android (android.graphics.Color)	4289124418 (0xFFA6D842)
YUV	183.9500, -58.1493, -15.7421
Hunter-Lab	75.9026, -35.7653, 42.1173

Details

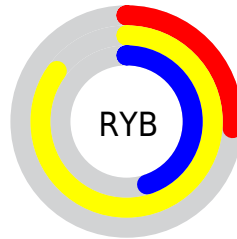
The Yxy color **57.6121, 0.3653, 0.5099** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **12.5656, 0.2146, 0.1252**, and the grayscale version is **48.2314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7724, 0.3672, 0.4656**, and **28.8047, 0.3650, 0.5484** is the 20% darker color. If you saturate the color by 10%, you get **56.6501, 0.3664, 0.5283**, and if you desaturate by 10%, it is **58.7188, 0.3617, 0.4873**.

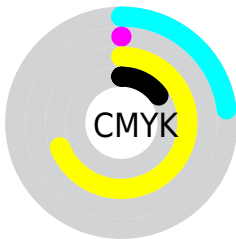
Distribution



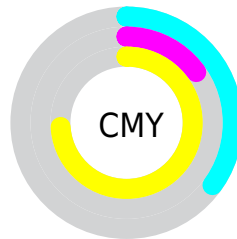
- Red (65%)
- Green (85%)
- Blue (26%)



- Red (26%)
- Yellow (85%)
- Blue (45%)



- Cyan (23%)
- Magenta (0%)
- Yellow (69%)
- Black (15%)





- Cyan (35%)
- Magenta (15%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6121, 0.3653, 0.5099 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 57.6121, 0.3653, 0.5099 by changing the saturation by 10% instead.


 57.6121, 0.3653,
0.5099


 57.6121, 0.3653,
0.5099

415.7390, 0.3468,
0.4210

 41.4969, 0.3670,
0.5302


 101.3578, 0.3607,
0.4787

 28.7075, 0.3673,
0.5546


 129.7570, 0.3584,
0.4666


 18.8597, 0.3649,
0.5841


 163.0197, 0.3561,
0.4563

 11.5689, 0.3593,
0.6233

 201.5303, 0.3540,
0.4473

 6.4509, 0.3384,
0.6616

 245.6731, 0.3520,
0.4394

 3.1211, 0.2963,
0.7037

295.8325, 0.3501,

 1.1953, 0.1396,

0.4325

0.8604

352.3930, 0.3484,
0.4264

■ 0.0579, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6121, 0.3653,
0.5099

■ 57.6121, 0.3653,
0.5099

■ 56.6501, 0.3664,
0.5283

■ 58.7188, 0.3617,
0.4873

■ 55.8131, 0.3650,
0.5419

■ 59.9730, 0.3561,
0.4617

■ 55.0834, 0.3615,
0.5509


■ 61.3863, 0.3487,
0.4343


■ 55.0441, 0.3613,
0.5513

■ 62.9672, 0.3402,
0.4064

 64.7232, 0.3310,
0.3788

 66.6614, 0.3216,
0.3524

 68.7885, 0.3122,
0.3277

 71.1107, 0.3031,
0.3047

 73.2807, 0.2977,
0.2890

Harmonies

Analogous

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



57.6121, 0.4467, 0.4692



57.6121, 0.3653, 0.5099



57.6121, 0.2753, 0.4822

Triad

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



57.6121, 0.3653, 0.5099



57.6121, 0.1539, 0.2154



57.6121, 0.4278, 0.2734

Complementary

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



57.6121, 0.3653, 0.5099



12.5656, 0.2146, 0.1252

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.



57.6121, 0.3279, 0.2232



57.6121, 0.3653, 0.5099



57.6121, 0.1797, 0.1893

Square

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



57.6121, 0.3653, 0.5099



57.6121, 0.1596, 0.2801



57.6121, 0.2382, 0.1935



57.6121, 0.4940, 0.3357

Rectangle

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



57.6121, 0.3653, 0.5099



57.6121, 0.2222, 0.4208



57.6121, 0.2382, 0.1935



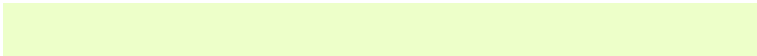
57.6121, 0.3959, 0.2548

Sweetspot

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



57.6147, 0.3653, 0.5099



93.7920, 0.3327, 0.3836



26.9154, 0.4990, 0.3809



19.9199, 0.3353, 0.3913



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.



57.6147, 0.3653, 0.5099



81.9527, 0.3661, 0.5348



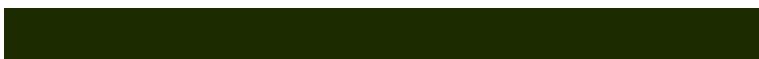
51.8556, 0.3151, 0.5428



14.3032, 0.3216, 0.3524



32.6441, 0.3621, 0.5507



2.0133, 0.3722, 0.5427

Inverse Universe

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



12.5656, 0.2146, 0.1252



12.5388, 0.1928, 0.0935



19.6104, 0.2893, 0.1611



12.2075, 0.3033, 0.3053



3.8011, 0.1750, 0.0738



0.2739, 0.1944, 0.0844

Previews

White Background



This preview shows how the Yxy color 57.6121, 0.3653, 0.5099 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 57.6121, 0.3653, 0.5099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

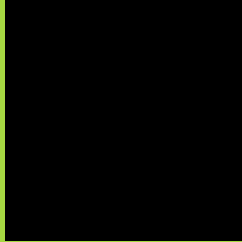
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6121, 0.3653, 0.5099

Background



This preview shows how black text looks on a background with the Yxy color 57.6121, 0.3653, 0.5099.



This preview shows how white text looks on a background with the Yxy color 57.6121, 0.3653, 0.5099.

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

57.6121, 0.3653, 0.5099

Protanopia

57.3443, 0.4252, 0.4693

Deuteranopia

56.8735, 0.4484, 0.4380



Tritanopia

57.4934, 0.2884, 0.3097

Trichromacy



Original Color

57.6121, 0.3653, 0.5099

Protanomaly

57.0581, 0.4024, 0.4852

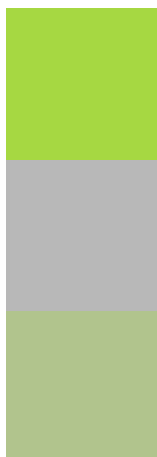
Deuteranomaly

56.2202, 0.4172, 0.4644

Tritanomaly

56.6171, 0.3206, 0.3858

Monochromacy



Original Color

57.6121, 0.3653, 0.5099

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

50.7501, 0.3383, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6121, 0.3653, 0.5099 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(166, 216, 66)` looks like.

```
.text, #text, p{  
    color:rgb(166, 216, 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(166, 216, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 216, 66) }
```

Border

The CSS property to change the border of an element to Yxy 57.6121, 0.3653, 0.5099 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(166, 216, 66) }
```

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

```
.border{ border-color:rgb(166, 216, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 216, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 216, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 216, 66);  
box-shadow:4px 4px 4px 4px rgb(166, 216,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6121, 0.3653, 0.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 216, 66) }
```

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

```
.background{ background-color: rgb(166,  
216, 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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