

Converting Colors

$Yxy(60.7812, 0.3614, 0.4913)$

Have a look what the booklet for
Yxy(60.7812, 0.3614, 0.4913)
contains.

Yxy(60.8570, 0.3614, 0.4917)	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(60.8570, 0.3614, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	AEDC56
RGB	174, 220, 86
RGB Percent	68%, 86%, 34%
CMY	0.3176, 0.1372, 0.6629
CMYK	0.21, 0.00, 0.61, 0.14
HSL	81°, 66%, 60%
HSV	81°, 61%, 86%
XYZ	44.7300, 60.8570, 18.1816
YIQ	190.9700, 15.5980, -51.4260

Conversions

Conversions Part 2

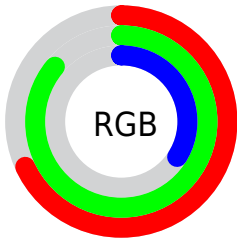
Format	Color
RYB	86, 220, 132
Decimal	11459670
CIELab	82.30, -34.80, 59.35
CIELCh	82, 68.801, 120.383
Yxy	60.8570, 0.3614, 0.4917
Android (android.graphics.Color)	4289649750 (0xFFFAEDC56)
YUV	190.9700, -51.7502, -14.8827
Hunter-Lab	78.0109, -34.1706, 40.7892

Details

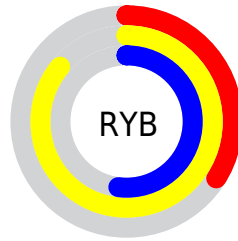
The Yxy color **60.8570, 0.3614, 0.4917** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **16.7150, 0.2298, 0.1492**, and the grayscale version is **52.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5989, 0.3633, 0.4458**, and **30.8457, 0.3649, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **59.7155, 0.3644, 0.5139**, and if you desaturate by 10%, it is **62.1617, 0.3562, 0.4663**.

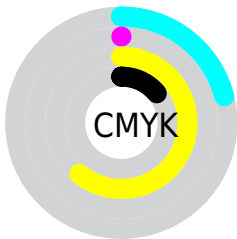
Distribution



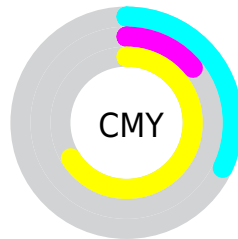
- Red (68%)
- Green (86%)
- Blue (34%)



- Red (34%)
- Yellow (86%)
- Blue (52%)



- Cyan (21%)
- Magenta (0%)
- Yellow (61%)
- Black (14%)




- Cyan (32%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8570, 0.3614, 0.4917 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 60.8570, 0.3614, 0.4917 by changing the saturation by 10% instead.


 60.8570, 0.3614,
0.4917

 60.8570, 0.3614,
0.4917


427.7495, 0.3433,
0.4119

 44.1098, 0.3637,
0.5101


 106.0719, 0.3565,
0.4636


 30.7568, 0.3653,
0.5327


 135.3083, 0.3541,
0.4528

 20.4137, 0.3652,
0.5604

 169.4765, 0.3519,
0.4435

 12.6962, 0.3612,
0.5943

 208.9611, 0.3499,
0.4354

 7.2197, 0.3545,
0.6455

254.1462, 0.3480,
0.4284

 3.5998, 0.3184,
0.6816

305.4164, 0.3463,

 1.4523, 0.2345,

0.4223

0.7655

363.1560, 0.3447,
0.4168

■ 0.2548, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.8570, 0.3614,
0.4917

■ 60.8570, 0.3614,
0.4917

■ 59.7155, 0.3644,
0.5139

■ 62.1617, 0.3562,
0.4663

■ 58.7179, 0.3650,
0.5318

■ 63.6313, 0.3492,
0.4389

■ 57.8538, 0.3630,
0.5448

■ 65.2775, 0.3411,
0.4108

■ 57.1655, 0.3596,
0.5527

■ 67.1083, 0.3321,
0.3830

69.1313, 0.3228,
0.3563

71.3536, 0.3136,
0.3312

73.7819, 0.3045,
0.3080

75.9666, 0.3002,
0.2935

77.2741, 0.3053,
0.2940

Harmonies

Analogous

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



60.8570, 0.4354, 0.4596



60.8570, 0.3614, 0.4917



60.8570, 0.2790, 0.4633

Triad

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



60.8570, 0.3614, 0.4917



60.8570, 0.1667, 0.2254



60.8570, 0.4178, 0.2799

Complementary

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



60.8570, 0.3614, 0.4917



16.7150, 0.2298, 0.1492

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.



60.8570, 0.3287, 0.2327



60.8570, 0.3614, 0.4917



60.8570, 0.1915, 0.2008

Square

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



60.8570, 0.3614, 0.4917



60.8570, 0.1721, 0.2848



60.8570, 0.2466, 0.2047



60.8570, 0.4766, 0.3384

Rectangle

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



60.8570, 0.3614, 0.4917



60.8570, 0.2303, 0.4090



60.8570, 0.2466, 0.2047



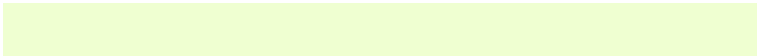
60.8570, 0.3895, 0.2625

Sweetspot

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



60.8597, 0.3614, 0.4917



94.5236, 0.3296, 0.3755



32.0215, 0.4664, 0.3804



20.0607, 0.3323, 0.3834



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.



60.8597, 0.3614, 0.4917



83.0432, 0.3648, 0.5192



55.0653, 0.3153, 0.5184



15.0287, 0.3214, 0.3525



33.6128, 0.3605, 0.5520



2.2245, 0.3702, 0.5443

Inverse Universe

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



16.7150, 0.2298, 0.1492



16.4203, 0.2092, 0.1153



23.7746, 0.2956, 0.1782



12.8332, 0.3034, 0.3052



3.9772, 0.1763, 0.0745



0.3044, 0.1945, 0.0845

Previews

White Background



This preview shows how the Yxy color 60.8570, 0.3614, 0.4917 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 60.8570, 0.3614, 0.4917 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 60.8570, 0.3614, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 60.8570, 0.3614, 0.4917.



This preview shows how white text looks on a background with the Yxy color 60.8570, 0.3614, 0.4917.

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

60.8570, 0.3614, 0.4917

Protanopia

60.1107, 0.4168, 0.4576

Deuteranopia

60.0872, 0.4374, 0.4277



Tritanopia

60.5467, 0.2903, 0.3090

Trichromacy



Original Color

60.8570, 0.3614, 0.4917

Protanomaly

60.1276, 0.3959, 0.4702

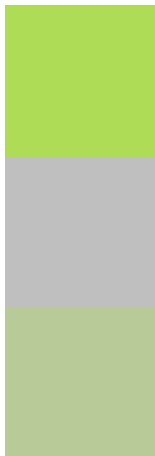
Deuteranomaly

59.3145, 0.4096, 0.4500

Tritanomaly

59.9199, 0.3194, 0.3764

Monochromacy



Original Color

60.8570, 0.3614, 0.4917

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.8553, 0.3349, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8570, 0.3614, 0.4917 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(174, 220, 86)` looks like.

```
.text, #text, p{  
    color:rgb(174, 220, 86)  
}
```

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(174, 220, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 220, 86) }
```

Border

The CSS property to change the border of an element to Yxy 60.8570, 0.3614, 0.4917 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(174, 220, 86) }
```

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

```
.border{ border-color:rgb(174, 220, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 220, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 220, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 220, 86);  
box-shadow:4px 4px 4px 4px rgb(174, 220,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8570, 0.3614, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 220, 86) }
```

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

```
.background{ background-color: rgb(174,  
220, 86) }
```

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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