

Converting Colors

$Yxy(63.8812, 0.3591, 0.5086)$

Have a look what the booklet for
Yxy(63.8812, 0.3591, 0.5086)
contains.

Yxy(63.8812, 0.3591, 0.5086)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.8812, 0.3591, 0.5086)

Conversions

Conversions Part 1

Format	Color
Hex	A9E34B
RGB	169, 227, 75
RGB Percent	66%, 89%, 29%
CMY	0.3372, 0.1098, 0.7057
CMYK	0.26, 0.00, 0.67, 0.11
HSL	83°, 73%, 59%
HSV	83°, 67%, 89%
XYZ	45.1037, 63.8812, 16.6172
YIQ	192.3300, 14.2240, -59.5680

Conversions

Conversions Part 2

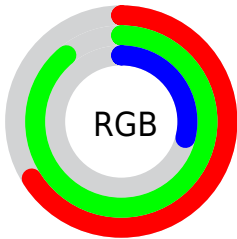
Format	Color
RYB	75, 227, 133
Decimal	11133771
CIELab	83.90, -40.62, 65.37
CIElCh	84, 76.963, 121.859
Yxy	63.8812, 0.3591, 0.5086
Android (android.graphics.Color)	4289323851 (0xFFA9E34B)
YUV	192.3300, -57.8437, -20.4604
Hunter-Lab	79.9257, -39.1388, 43.6212

Details

The Yxy color **63.8812, 0.3591, 0.5086** 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 **15.5746, 0.2248, 0.1343**, and the grayscale version is **53.2590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4896, 0.3650, 0.4566**, and **32.5706, 0.3602, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **62.6997, 0.3600, 0.5291**, and if you desaturate by 10%, it is **65.2427, 0.3558, 0.4842**.

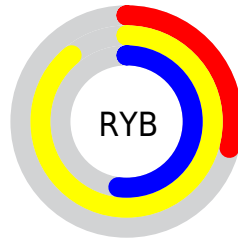
Distribution



Red (66%)

Green (89%)

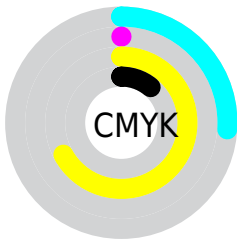
Blue (29%)



Red (29%)

Yellow (89%)

Blue (52%)

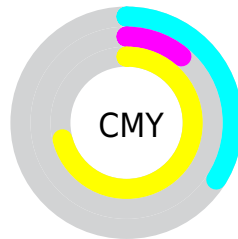


Cyan (26%)

Magenta (0%)

Yellow (67%)

Black (11%)



Cyan (34%)


Magenta (11%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8812, 0.3591, 0.5086 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 63.8812, 0.3591, 0.5086 by changing the saturation by 10% instead.


 63.8812, 0.3591,
0.5086


 63.8812, 0.3591,
0.5086

438.7605, 0.3437,
0.4212

 46.5545, 0.3603,
0.5284

 110.4398, 0.3555,
0.4781


 32.6836, 0.3603,
0.5524


 140.4405, 0.3535,
0.4662

 21.8842, 0.3579,
0.5814

 175.4346, 0.3516,
0.4560

 13.7718, 0.3508,
0.6168

 215.8066, 0.3498,
0.4472

 7.9621, 0.3365,
0.6635

 261.9407, 0.3481,
0.4394

 4.0707, 0.2975,
0.7025

314.2215, 0.3465,

 1.7132, 0.2158,

0.4326

0.7842

373.0333, 0.3450,
0.4266

0.4322, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8812, 0.3591,
0.5086

63.8812, 0.3591,
0.5086

62.6997, 0.3600,
0.5291

65.2427, 0.3558,
0.4842

61.6761, 0.3584,
0.5447

66.7876, 0.3505,
0.4571

60.7959, 0.3546,
0.5551


68.5291, 0.3437,
0.4287


60.5468, 0.3532,
0.5577


70.4768, 0.3359,
0.4002

 72.6396, 0.3274,
0.3724

 75.0256, 0.3187,
0.3462

 77.6428, 0.3101,
0.3217

 80.3916, 0.3028,
0.3009

 81.9302, 0.3086,
0.3014

Harmonies

Analogous

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



63.8812, 0.4409, 0.4720



63.8812, 0.3591, 0.5086



63.8812, 0.2701, 0.4754

Triad

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



63.8812, 0.3591, 0.5086



63.8812, 0.1560, 0.2137



63.8812, 0.4325, 0.2779

Complementary

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



63.8812, 0.3591, 0.5086



15.5746, 0.2248, 0.1343

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.



63.8812, 0.3346, 0.2269



63.8812, 0.3591, 0.5086



63.8812, 0.1838, 0.1900

Square

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



63.8812, 0.3591, 0.5086



63.8812, 0.1596, 0.2751



63.8812, 0.2440, 0.1959



63.8812, 0.4943, 0.3403

Rectangle

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



63.8812, 0.3591, 0.5086



63.8812, 0.2186, 0.4124



63.8812, 0.2440, 0.1959



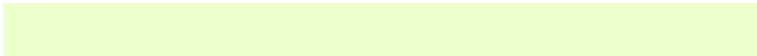
63.8812, 0.4016, 0.2592

Sweetspot

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



63.8840, 0.3591, 0.5086



93.6331, 0.3301, 0.3812



33.0091, 0.4832, 0.3887



19.8702, 0.3325, 0.3890



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.



63.8840, 0.3591, 0.5086



81.1229, 0.3597, 0.5352



57.8975, 0.3117, 0.5388



16.5281, 0.3209, 0.3526



35.3792, 0.3542, 0.5570



2.6673, 0.3636, 0.5495

Inverse Universe

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



15.5746, 0.2248, 0.1343



14.2436, 0.2043, 0.1029



23.8129, 0.2984, 0.1690



14.1539, 0.3040, 0.3051



4.4679, 0.1818, 0.0775



0.3822, 0.1982, 0.0865

Previews

White Background



This preview shows how the Yxy color 63.8812, 0.3591, 0.5086 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 63.8812, 0.3591, 0.5086 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 63.8812, 0.3591, 0.5086

Background



This preview shows how black text looks on a background with the Yxy color 63.8812, 0.3591, 0.5086.



This preview shows how white text looks on a background with the Yxy color 63.8812, 0.3591, 0.5086.

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

63.8812, 0.3591, 0.5086

Protanopia

63.3668, 0.4233, 0.4664

Deuteranopia

63.1063, 0.4301, 0.4231



Tritanopia

63.4355, 0.2848, 0.3092

Trichromacy



Original Color

63.8812, 0.3591, 0.5086



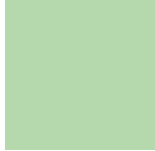
Protanomaly

63.2813, 0.3987, 0.4824



Deuteranomaly

62.2385, 0.4046, 0.4536



Tritanomaly

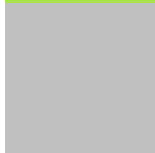
62.4666, 0.3159, 0.3838

Monochromacy



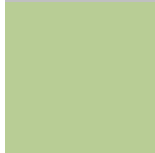
Original Color

63.8812, 0.3591, 0.5086



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.0229, 0.3363, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8812, 0.3591, 0.5086 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(169, 227, 75)` looks like.

```
.text, #text, p{  
    color:rgb(169, 227, 75)  
}
```

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(169, 227, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 227, 75) }
```

Border

The CSS property to change the border of an element to Yxy 63.8812, 0.3591, 0.5086 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(169, 227, 75) }
```

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

```
.border{ border-color:rgb(169, 227, 75) }
```

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

Here you see how a box with a 4 pixel rgb(169, 227, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 227, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 227, 75);  
box-shadow:4px 4px 4px 4px rgb(169, 227,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8812, 0.3591, 0.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 227, 75) }
```

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

```
.background{ background-color: rgb(169,  
227, 75) }
```

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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