

Converting Colors

Yxy(59.8644, 0.3888, 0.4891)

Have a look what the booklet for
Yxy(59.8644, 0.3888, 0.4891)
contains.

Yxy(59.6455, 0.3886, 0.4887)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.6455, 0.3886, 0.4887)

Conversions

Conversions Part 1

Format	Color
Hex	C3D547
RGB	195, 213, 71
RGB Percent	76%, 84%, 28%
CMY	0.2355, 0.1646, 0.7215
CMYK	0.08, 0.00, 0.67, 0.16
HSL	68°, 63%, 56%
HSV	68°, 67%, 84%
XYZ	47.4284, 59.6455, 14.9755
YIQ	191.4300, 34.8540, -47.9780

Conversions

Conversions Part 2

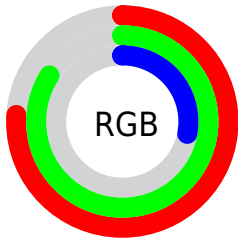
Format	Color
RYB	71, 213, 89
Decimal	12834119
CIELab	81.65, -24.30, 65.12
CIELCh	82, 69.502, 110.464
Yxy	59.6455, 0.3886, 0.4887
Android (android.graphics.Color)	4291024199 (0xFFC3D547)
YUV	191.4300, -59.3720, 3.1309
Hunter-Lab	77.2305, -25.5339, 42.5647

Details

The Yxy color **59.6455, 0.3886, 0.4887** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **11.4407, 0.1956, 0.1217**, and the grayscale version is **52.6977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1231, 0.3857, 0.4512**, and **29.8570, 0.3975, 0.5226** is the 20% darker color. If you saturate the color by 10%, you get **59.0633, 0.3940, 0.5040**, and if you desaturate by 10%, it is **60.3355, 0.3808, 0.4694**.

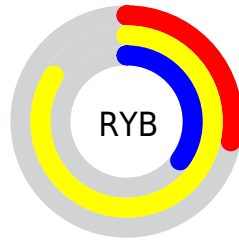
Distribution



Red (76%)

Green (84%)

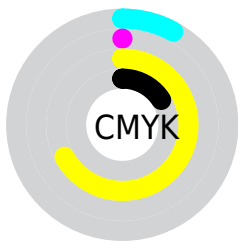
Blue (28%)



Red (28%)

Yellow (84%)

Blue (35%)

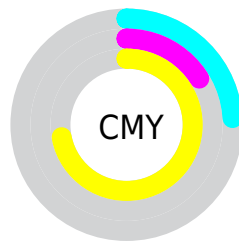


Cyan (8%)

Magenta (0%)

Yellow (67%)

Black (16%)



Cyan (24%)


Magenta (16%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6455, 0.3886, 0.4887 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 59.6455, 0.3886, 0.4887 by changing the saturation by 10% instead.


 59.6455, 0.3886,
0.4887

 59.6455, 0.3886,
0.4887


423.2899, 0.3581,
0.4129

 43.1330, 0.3934,
0.5052


 104.3152, 0.3796,
0.4627


 29.9895, 0.3978,
0.5248


 133.2412, 0.3756,
0.4525


 19.8306, 0.4009,
0.5477


 167.0739, 0.3719,
0.4436

 12.2720, 0.4021,
0.5760

 206.1975, 0.3686,
0.4358

 6.9292, 0.3945,
0.6055

 250.9965, 0.3656,
0.4290

 3.4178, 0.3688,
0.6312

301.8553, 0.3628,

 1.3536, 0.3183,

0.4230

0.6817

359.1583, 0.3604,
0.4176

■ 0.1821, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6455, 0.3886,
0.4887

■ 59.6455, 0.3886,
0.4887

■ 59.0633, 0.3940,
0.5040

■ 60.3355, 0.3808,
0.4694

■ 58.5702, 0.3968,
0.5149

■ 61.1342, 0.3709,
0.4469

■ 58.1554, 0.3971,
0.5214

■ 62.0524, 0.3594,
0.4223

■ 58.0263, 0.3969,
0.5231

■ 63.0972, 0.3470,
0.3965

■ 64.2753, 0.3341,
0.3706

■ 65.5929, 0.3212,
0.3453

■ 67.0557, 0.3086,
0.3211

■ 68.6691, 0.2966,
0.2984

■ 69.9305, 0.2899,
0.2849

Harmonies

Analogous

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



59.6455, 0.4565, 0.4430



59.6455, 0.3886, 0.4887



59.6455, 0.3054, 0.4836

Triad

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



59.6455, 0.3886, 0.4887



59.6455, 0.1631, 0.2394



59.6455, 0.3910, 0.2616

Complementary

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



59.6455, 0.3886, 0.4887



11.4407, 0.1956, 0.1217

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.



59.6455, 0.2990, 0.2196



59.6455, 0.3886, 0.4887



59.6455, 0.1782, 0.2037

Square

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



59.6455, 0.3886, 0.4887



59.6455, 0.1791, 0.3119



59.6455, 0.2237, 0.1989



59.6455, 0.4652, 0.3179

Rectangle

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



59.6455, 0.3886, 0.4887



59.6455, 0.2521, 0.4406



59.6455, 0.2237, 0.1989



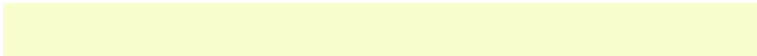
59.6455, 0.3603, 0.2456

Sweetspot

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



59.6482, 0.3886, 0.4887



95.9298, 0.3387, 0.3797



21.5144, 0.5169, 0.3471



20.4253, 0.3423, 0.3871



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.



59.6482, 0.3886, 0.4887



88.4249, 0.3955, 0.5091



52.4462, 0.3338, 0.5233



14.4361, 0.3247, 0.3522



35.4696, 0.3972, 0.5228



2.1623, 0.4013, 0.5196

Inverse Universe

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



11.4407, 0.1956, 0.1217



11.1634, 0.1727, 0.0865



16.6413, 0.2594, 0.1516



12.0837, 0.3001, 0.3050



3.1021, 0.1551, 0.0628



0.2126, 0.1673, 0.0695

Previews

White Background



This preview shows how the Yxy color 59.6455, 0.3886, 0.4887 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 59.6455, 0.3886, 0.4887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

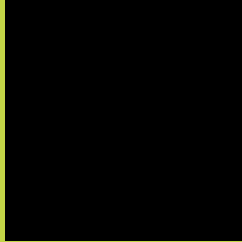
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6455, 0.3886, 0.4887

Background



This preview shows how black text looks on a background with the Yxy color 59.6455, 0.3886, 0.4887.



This preview shows how white text looks on a background with the Yxy color 59.6455, 0.3886, 0.4887.

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

59.6455, 0.3886, 0.4887

Protanopia

59.4601, 0.4237, 0.4659

Deuteranopia

59.3854, 0.4473, 0.4384



Tritanopia

59.3085, 0.3089, 0.3106

Trichromacy



Original Color

59.6455, 0.3886, 0.4887

Protanomaly

59.5024, 0.4102, 0.4748

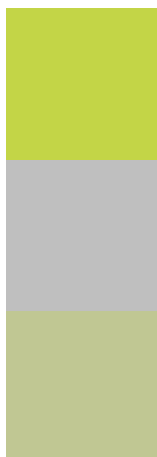
Deuteranomaly

58.8055, 0.4261, 0.4566

Tritanomaly

58.6674, 0.3427, 0.3786

Monochromacy



Original Color

59.6455, 0.3886, 0.4887

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.1599, 0.3458, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6455, 0.3886, 0.4887 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(195, 213, 71)` looks like.

```
.text, #text, p{  
    color:rgb(195, 213, 71)  
}
```

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(195, 213, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 213, 71) }
```

Border

The CSS property to change the border of an element to Yxy 59.6455, 0.3886, 0.4887 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(195, 213, 71) }
```

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

```
.border{ border-color:rgb(195, 213, 71) }
```

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

Here you see how a box with a 4 pixel rgb(195, 213, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 213, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 213, 71);  
box-shadow:4px 4px 4px 4px rgb(195, 213,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6455, 0.3886, 0.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 213, 71) }
```

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

```
.background{ background-color: rgb(195,  
213, 71) }
```

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