

Converting Colors

$Yxy(49.8579, 0.3138, 0.4447)$

Have a look what the booklet for
Yxy(49.8579, 0.3138, 0.4447)
contains.

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Color

Yxy(49.7347, 0.3136, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	86CC7D
RGB	134, 204, 125
RGB Percent	53%, 80%, 49%
CMY	0.4745, 0.2000, 0.5098
CMYK	0.34, 0.00, 0.39, 0.20
HSL	113°, 44%, 65%
HSV	113°, 39%, 80%
XYZ	35.1279, 49.7347, 27.1525
YIQ	174.0640, -16.3610, -39.4090

Conversions

Conversions Part 2

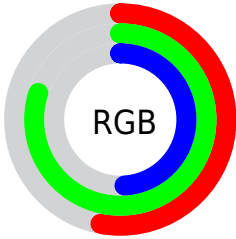
Format	Color
RYB	125, 204, 195
Decimal	8834173
CIELab	75.91, -37.33, 32.57
CIELCh	76, 49.542, 138.893
Yxy	49.7347, 0.3136, 0.4440
Android (android.graphics.Color)	4287024253 (0xFF86CC7D)
YUV	174.0640, -24.1886, -35.1361
Hunter-Lab	70.5228, -34.5028, 26.5384

Details

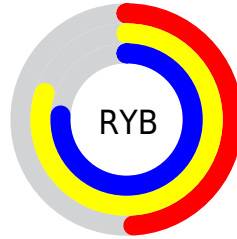
The Yxy color **49.7347, 0.3136, 0.4440** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.6307, 0.3080, 0.2316**, and the grayscale version is **42.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5532, 0.3152, 0.4162**, and **23.7084, 0.3099, 0.4794** is the 20% darker color. If you saturate the color by 10%, you get **47.9072, 0.3129, 0.4787**, and if you desaturate by 10%, it is **51.9273, 0.3138, 0.4105**.

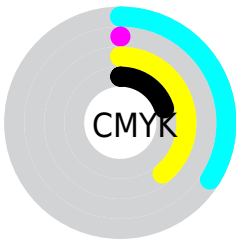
Distribution



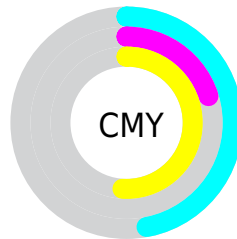
- Red (53%)
- Green (80%)
- Blue (49%)



- Red (49%)
- Yellow (80%)
- Blue (76%)



- Cyan (34%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)



- Cyan (47%)
- Magenta (20%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7347, 0.3136, 0.4440 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 49.7347, 0.3136, 0.4440 by changing the saturation by 10% instead.


 49.7347, 0.3136,
0.4440

 49.7347, 0.3136,
0.4440


385.6275, 0.3152,
0.3839


 35.2026, 0.3124,
0.4597


 89.7817, 0.3147,
0.4216

 23.8190, 0.3105,
0.4801

 116.0654, 0.3150,
0.4134

 15.1994, 0.3070,
0.5076


 147.0351, 0.3151,
0.4065

 8.9595, 0.3004,
0.5465

183.0752, 0.3152,
0.4006

 4.7148, 0.2869,
0.6046

224.5701, 0.3153,
0.3956

 2.0809, 0.2681,
0.7319

271.9042, 0.3153,

 0.6538, 0.0000,

0.3912

1.0000

325.4619, 0.3153,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 49.7347, 0.3136,
0.4440

■ 49.7347, 0.3136,
0.4440

■ 47.9072, 0.3129,
0.4787

■ 51.9273, 0.3138,
0.4105

■ 46.4190, 0.3117,
0.5127

■ 54.4968, 0.3137,
0.3793

■ 45.2508, 0.3100,
0.5435


■ 57.4620, 0.3132,
0.3510

■ 44.3788, 0.3077,
0.5689


■ 60.8388, 0.3126,
0.3260

■ 43.7759, 0.3052,
0.5867

■ 64.6421, 0.3119,
0.3040

 43.4061, 0.3028,
0.5969

 68.8860, 0.3111,
0.2849

 43.3716, 0.3026,
0.5979

 71.6664, 0.3151,
0.2792

Harmonies

Analogous

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



49.7347, 0.3782, 0.4505



49.7347, 0.3136, 0.4440



49.7347, 0.2521, 0.3929

Triad

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



49.7347, 0.3136, 0.4440



49.7347, 0.2048, 0.2318



49.7347, 0.4261, 0.3205

Complementary

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



49.7347, 0.3136, 0.4440



30.6307, 0.3080, 0.2316

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.



49.7347, 0.3692, 0.2745



49.7347, 0.3136, 0.4440



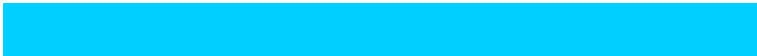
49.7347, 0.2412, 0.2252

Square

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



49.7347, 0.3136, 0.4440



49.7347, 0.1939, 0.2639



49.7347, 0.2998, 0.2408



49.7347, 0.4477, 0.3716

Rectangle

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



49.7347, 0.3136, 0.4440



49.7347, 0.2211, 0.3455



49.7347, 0.2998, 0.2408



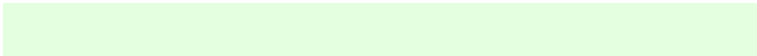
49.7347, 0.4102, 0.3043

Sweetspot

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



49.7368, 0.3136, 0.4440



93.3993, 0.3134, 0.3604



53.2527, 0.3742, 0.4145



19.8505, 0.3135, 0.3641



0.0000, 0.0000, 0.0000



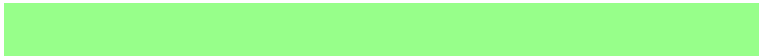
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7368, 0.3136, 0.4440



79.9326, 0.3131, 0.4713



49.9233, 0.2884, 0.4000



12.5972, 0.3133, 0.3528



27.3190, 0.3031, 0.5975



1.4304, 0.3120, 0.5905

Inverse Universe

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



30.6307, 0.3080, 0.2316



44.1224, 0.3065, 0.2127



30.5521, 0.3493, 0.2678



11.3363, 0.3120, 0.3060



8.9335, 0.2926, 0.1385



0.4798, 0.2984, 0.1418

Previews

White Background



This preview shows how the Yxy color 49.7347, 0.3136, 0.4440 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 49.7347, 0.3136, 0.4440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

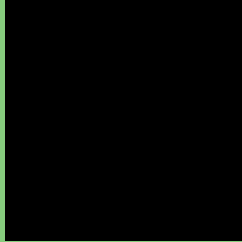
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7347, 0.3136, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 49.7347, 0.3136, 0.4440.



This preview shows how white text looks on a background with the Yxy color 49.7347, 0.3136, 0.4440.

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

49.7347, 0.3136, 0.4440

Protanopia

49.1223, 0.3826, 0.4135

Deuteranopia

49.0091, 0.3935, 0.3846



Tritanopia

49.5766, 0.2693, 0.3091

Trichromacy



Original Color

49.7347, 0.3136, 0.4440



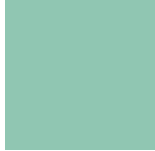
Protanomaly

48.9854, 0.3547, 0.4250



Deuteranomaly

48.0728, 0.3616, 0.4046



Tritanomaly

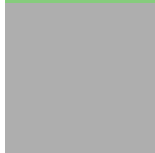
49.5318, 0.2861, 0.3567

Monochromacy



Original Color

49.7347, 0.3136, 0.4440



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.4692, 0.3133, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7347, 0.3136, 0.4440 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(134, 204, 125)` looks like.

```
.text, #text, p{  
    color:rgb(134, 204, 125)  
}
```

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(134, 204, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 204, 125) }
```

Border

The CSS property to change the border of an element to Yxy 49.7347, 0.3136, 0.4440 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(134, 204, 125) }
```

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

```
.border{ border-color:rgb(134, 204, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 204, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 204, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 204, 125);  
box-shadow:4px 4px 4px 4px rgb(134, 204,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7347, 0.3136, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 204, 125) }
```

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

```
.background{ background-color: rgb(134,  
204, 125) }
```

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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