

Converting Colors

$Yxy(39.3747, 0.3471, 0.4486)$

Have a look what the booklet for
Yxy(39.3747, 0.3471, 0.4486)
contains.

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Color

Yxy(39.3633, 0.3466, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	93B364
RGB	147, 179, 100
RGB Percent	58%, 70%, 39%
CMY	0.4235, 0.2980, 0.6079
CMYK	0.18, 0.00, 0.44, 0.30
HSL	84°, 34%, 55%
HSV	84°, 44%, 70%
XYZ	30.4538, 39.3633, 18.0474
YIQ	160.4260, 6.2870, -31.3530

Conversions

Conversions Part 2

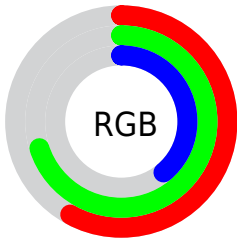
Format	Color
RYB	100, 179, 132
Decimal	9679716
CIELab	69.01, -24.30, 36.71
CIELCh	69, 44.025, 123.497
Yxy	39.3633, 0.3466, 0.4480
Android (android.graphics.Color)	4287869796 (0xFF93B364)
YUV	160.4260, -29.7900, -11.7746
Hunter-Lab	62.7402, -23.1521, 26.8632

Details

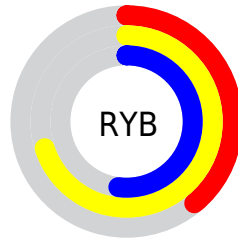
The Yxy color **39.3633, 0.3466, 0.4480** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.2725, 0.2635, 0.2049**, and the grayscale version is **35.5002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2402, 0.3416, 0.4246**, and **17.5936, 0.3527, 0.4857** is the 20% darker color. If you saturate the color by 10%, you get **38.4065, 0.3520, 0.4757**, and if you desaturate by 10%, it is **40.4420, 0.3399, 0.4196**.

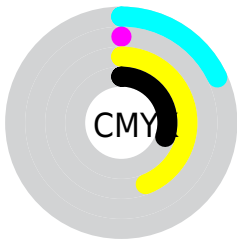
Distribution



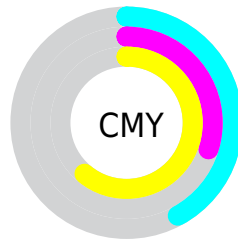
- Red (58%)
- Green (70%)
- Blue (39%)



- Red (39%)
- Yellow (70%)
- Blue (52%)



- Cyan (18%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)





- Cyan (42%)
- Magenta (30%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3633, 0.3466, 0.4480 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 39.3633, 0.3466, 0.4480 by changing the saturation by 10% instead.


 39.3633, 0.3466,
0.4480


 39.3633, 0.3466,
0.4480


343.4326, 0.3315,
0.3847


 27.0425, 0.3494,
0.4647


 74.1930, 0.3417,
0.4242

 17.6051, 0.3523,
0.4866


 97.4706, 0.3397,
0.4155

 10.6669, 0.3546,
0.5160


 125.1693, 0.3379,
0.4083

 5.8433, 0.3544,
0.5569

 157.6735, 0.3363,
0.4021

 2.7500, 0.3595,
0.6405

195.3675, 0.3349,
0.3968

 1.0027, 0.2616,
0.7384

238.6358, 0.3336,

 0.0000, 0.0000,

0.3922

0.0000

287.8627, 0.3325,
0.3882

■ 39.3633, 0.3466,
0.4480

■ 39.3633, 0.3466,
0.4480

■ 38.4065, 0.3520,
0.4757

■ 40.4420, 0.3399,
0.4196

■ 37.5605, 0.3556,
0.5013

■ 41.6427, 0.3323,
0.3914

■ 36.8206, 0.3571,
0.5235


■ 42.9720, 0.3242,
0.3644

■ 36.1795, 0.3562,
0.5413

■ 44.4346, 0.3161,
0.3390

■ 35.6286, 0.3530,
0.5540

■ 46.0350, 0.3080,
0.3155

 35.3371, 0.3506,
0.5599

 47.7772, 0.3002,
0.2940

 49.6652, 0.2929,
0.2746

 51.7028, 0.2859,
0.2571

 53.4947, 0.2835,
0.2470

Harmonies

Analogous

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



39.3633, 0.4036, 0.4341



39.3633, 0.3466, 0.4480



39.3633, 0.2836, 0.4197

Triad

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



39.3633, 0.3466, 0.4480



39.3633, 0.1999, 0.2482



39.3633, 0.3967, 0.2972

Complementary

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



39.3633, 0.3466, 0.4480



17.2725, 0.2635, 0.2049

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.



39.3633, 0.3329, 0.2578



39.3633, 0.3466, 0.4480



39.3633, 0.2227, 0.2292

Square

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



39.3633, 0.3466, 0.4480



39.3633, 0.2026, 0.2926



39.3633, 0.2692, 0.2336



39.3633, 0.4368, 0.3451

Rectangle

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



39.3633, 0.3466, 0.4480



39.3633, 0.2468, 0.3801



39.3633, 0.2692, 0.2336



39.3633, 0.3769, 0.2827

Sweetspot

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



39.3650, 0.3466, 0.4480



77.1900, 0.3235, 0.3620



26.8976, 0.4057, 0.3751



16.9803, 0.3253, 0.3678



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.3650, 0.3466, 0.4480



68.8222, 0.3519, 0.4750



36.3427, 0.3124, 0.4617



9.7316, 0.3203, 0.3519



25.0089, 0.3513, 0.5593



0.8199, 0.3705, 0.5441

Inverse Universe

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



17.2725, 0.2635, 0.2049



24.1370, 0.2493, 0.1753



21.0374, 0.3084, 0.2198



8.3925, 0.3046, 0.3059



3.3226, 0.1867, 0.0802



0.1390, 0.2203, 0.0987

Previews

White Background



This preview shows how the Yxy color 39.3633, 0.3466, 0.4480 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 39.3633, 0.3466, 0.4480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

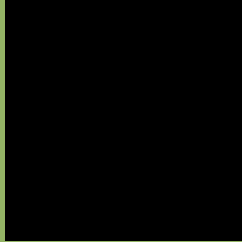
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3633, 0.3466, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 39.3633, 0.3466, 0.4480.



This preview shows how white text looks on a background with the Yxy color 39.3633, 0.3466, 0.4480.

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

39.3633, 0.3466, 0.4480

Protanopia

39.0401, 0.3916, 0.4261

Deuteranopia

38.8376, 0.4091, 0.4002



Tritanopia

39.0639, 0.2917, 0.3093

Trichromacy



Original Color

39.3633, 0.3466, 0.4480

Protanomaly

39.0260, 0.3753, 0.4346

Deuteranomaly

38.6840, 0.3853, 0.4164

Tritanomaly

39.0571, 0.3122, 0.3585

Monochromacy



Original Color

39.3633, 0.3466, 0.4480

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.4410, 0.3265, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3633, 0.3466, 0.4480 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(147, 179, 100)` looks like.

```
.text, #text, p{  
    color:rgb(147, 179, 100)  
}
```

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(147, 179, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 179, 100) }
```

Border

The CSS property to change the border of an element to Yxy 39.3633, 0.3466, 0.4480 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(147, 179, 100) }
```

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

```
.border{ border-color:rgb(147, 179, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 179, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 179, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 179, 100);  
box-shadow:4px 4px 4px 4px rgb(147, 179,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3633, 0.3466, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 179, 100) }
```

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

```
.background{ background-color: rgb(147,  
179, 100) }
```

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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