

Converting Colors

Yxy(39.6682, 0.3140, 0.4470)

Have a look what the booklet for
Yxy(39.6682, 0.3140, 0.4470)
contains.

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Color

Yxy(39.8387, 0.3140, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	78B96F
RGB	120, 185, 111
RGB Percent	47%, 73%, 44%
CMY	0.5293, 0.2745, 0.5646
CMYK	0.35, 0.00, 0.40, 0.27
HSL	113°, 35%, 58%
HSV	113°, 40%, 73%
XYZ	27.9664, 39.8387, 21.2598
YIQ	157.1290, -14.9860, -36.7940

Conversions

Conversions Part 2

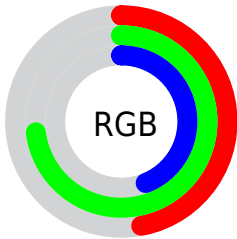
Format	Color
RYB	111, 185, 176
Decimal	7911791
CIELab	69.35, -35.35, 31.13
CIELCh	69, 47.105, 138.626
Yxy	39.8387, 0.3140, 0.4473
Android (android.graphics.Color)	4286101871 (0xFF78B96F)
YUV	157.1290, -22.7416, -32.5621
Hunter-Lab	63.1179, -31.3663, 24.2121

Details

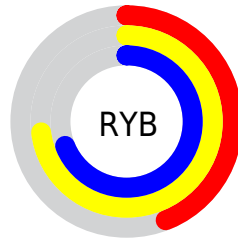
The Yxy color **39.8387, 0.3140, 0.4473** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.1066, 0.3072, 0.2289**, and the grayscale version is **33.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6689, 0.3158, 0.4230**, and **17.7737, 0.3099, 0.4874** is the 20% darker color. If you saturate the color by 10%, you get **38.4089, 0.3134, 0.4817**, and if you desaturate by 10%, it is **41.5535, 0.3142, 0.4139**.

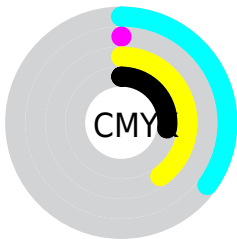
Distribution



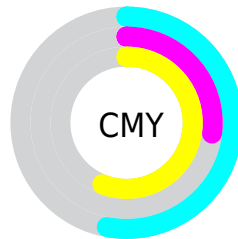
- Red (47%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)




- Cyan (53%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8387, 0.3140, 0.4473 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 39.8387, 0.3140, 0.4473 by changing the saturation by 10% instead.


 39.8387, 0.3140,
0.4473


 39.8387, 0.3140,
0.4473

345.4432, 0.3155,
0.3833


 27.4128, 0.3127,
0.4648


 74.9178, 0.3152,
0.4229


 17.8835, 0.3103,
0.4882


 98.3399, 0.3154,
0.4140

 10.8664, 0.3059,
0.5207


 126.1960, 0.3156,
0.4067

 5.9771, 0.2969,
0.5682

 158.8708, 0.3156,
0.4006

 2.8311, 0.2898,
0.6730

196.7485, 0.3156,
0.3953

 1.0442, 0.1042,
0.8958

240.2135, 0.3156,

 0.0000, 0.0000,

0.3907

0.0000

289.6503, 0.3156,
0.3868

■ 39.8387, 0.3140,
0.4473

■ 39.8387, 0.3140,
0.4473

■ 38.4089, 0.3134,
0.4817

■ 41.5535, 0.3142,
0.4139

■ 37.2438, 0.3121,
0.5152

■ 43.5622, 0.3139,
0.3826

■ 36.3285, 0.3103,
0.5455

■ 45.8796, 0.3134,
0.3542


■ 35.6444, 0.3081,
0.5701


■ 48.5181, 0.3127,
0.3290

■ 35.1702, 0.3055,
0.5873

■ 51.4893, 0.3119,
0.3068


 34.8745, 0.3031,
0.5975

 54.8043, 0.3110,
0.2874

 34.8743, 0.3031,
0.5975

 58.4735, 0.3101,
0.2706

 62.2455, 0.3121,
0.2596

 63.1780, 0.3159,
0.2604

Harmonies

Analogous

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



39.8387, 0.3800, 0.4532



39.8387, 0.3140, 0.4473



39.8387, 0.2511, 0.3951

Triad

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



39.8387, 0.3140, 0.4473



39.8387, 0.2024, 0.2299



39.8387, 0.4284, 0.3197

Complementary

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



39.8387, 0.3140, 0.4473



24.1066, 0.3072, 0.2289

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.



39.8387, 0.3699, 0.2730



39.8387, 0.3140, 0.4473



39.8387, 0.2391, 0.2231

Square

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



39.8387, 0.3140, 0.4473



39.8387, 0.1915, 0.2627



39.8387, 0.2989, 0.2388



39.8387, 0.4508, 0.3717

Rectangle

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



39.8387, 0.3140, 0.4473



39.8387, 0.2194, 0.3464



39.8387, 0.2989, 0.2388



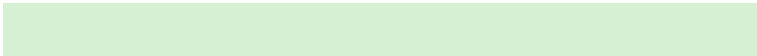
39.8387, 0.4120, 0.3032

Sweetspot

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



39.8404, 0.3140, 0.4473



81.2051, 0.3135, 0.3602



42.1754, 0.3764, 0.4152



17.3876, 0.3136, 0.3638



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.8404, 0.3140, 0.4473



69.0729, 0.3135, 0.4776



39.9180, 0.2887, 0.4043



10.1110, 0.3134, 0.3525



23.7638, 0.3036, 0.5972



0.8549, 0.3156, 0.5876

Inverse Universe

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



24.1066, 0.3072, 0.2289



36.9724, 0.3053, 0.2081



24.1519, 0.3490, 0.2646



9.1058, 0.3119, 0.3063



7.6726, 0.2908, 0.1376



0.2862, 0.2991, 0.1421

Previews

White Background



This preview shows how the Yxy color 39.8387, 0.3140, 0.4473 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 39.8387, 0.3140, 0.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

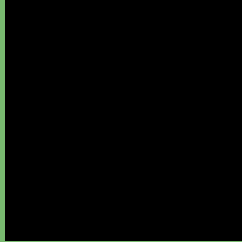
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8387, 0.3140, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 39.8387, 0.3140, 0.4473.



This preview shows how white text looks on a background with the Yxy color 39.8387, 0.3140, 0.4473.

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

39.8387, 0.3140, 0.4473

Protanopia

39.5862, 0.3836, 0.4159

Deuteranopia

39.1682, 0.3954, 0.3873



Tritanopia

39.8367, 0.2685, 0.3087

Trichromacy



Original Color

39.8387, 0.3140, 0.4473

Protanomaly

39.2985, 0.3562, 0.4283

Deuteranomaly

38.7350, 0.3634, 0.4088

Tritanomaly

39.4805, 0.2854, 0.3565

Monochromacy



Original Color

39.8387, 0.3140, 0.4473

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.4602, 0.3144, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8387, 0.3140, 0.4473 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(120, 185, 111)` looks like.

```
.text, #text, p{  
    color:rgb(120, 185, 111)  
}
```

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(120, 185, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 185, 111) }
```

Border

The CSS property to change the border of an element to Yxy 39.8387, 0.3140, 0.4473 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(120, 185, 111) }
```

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

```
.border{ border-color:rgb(120, 185, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 185, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 185, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 185, 111);  
box-shadow:4px 4px 4px 4px rgb(120, 185,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8387, 0.3140, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 185, 111) }
```

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

```
.background{ background-color: rgb(120,  
185, 111) }
```

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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