

Converting Colors

$Yxy(39.9518, 0.3452, 0.4188)$

Have a look what the booklet for
Yxy(39.9518, 0.3452, 0.4188)
contains.

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Color

Yxy(39.9743, 0.3455, 0.4188)

Conversions

Conversions Part 1

Format	Color
Hex	9EB174
RGB	158, 177, 116
RGB Percent	62%, 69%, 45%
CMY	0.3803, 0.3059, 0.5451
CMYK	0.11, 0.00, 0.34, 0.31
HSL	79°, 28%, 57%
HSV	79°, 34%, 69%
XYZ	32.9778, 39.9743, 22.4975
YIQ	164.3650, 8.2570, -22.9990

Conversions

Conversions Part 2

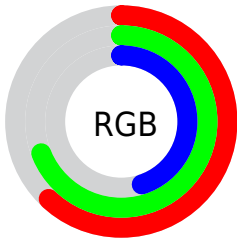
Format	Color
RYB	116, 177, 135
Decimal	10400116
CIELab	69.45, -16.98, 29.09
CIELCh	69, 33.686, 120.272
Yxy	39.9743, 0.3455, 0.4188
Android (android.graphics.Color)	4288590196 (0xFF9EB174)
YUV	164.3650, -23.8439, -5.5821
Hunter-Lab	63.2252, -17.5398, 23.1605

Details

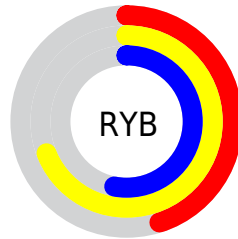
The Yxy color **39.9743, 0.3455, 0.4188** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.8113, 0.2706, 0.2330**, and the grayscale version is **37.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2885, 0.3395, 0.4010**, and **17.8847, 0.3535, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **39.0567, 0.3538, 0.4460**, and if you desaturate by 10%, it is **40.9989, 0.3363, 0.3915**.

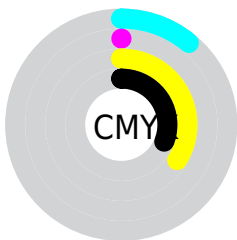
Distribution



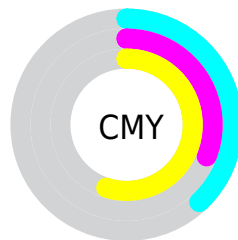
- Red (62%)
- Green (69%)
- Blue (45%)



- Red (45%)
- Yellow (69%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (34%)
- Black (31%)



- Cyan (38%)
- Magenta (31%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9743, 0.3455, 0.4188 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 39.9743, 0.3455, 0.4188 by changing the saturation by 10% instead.


 39.9743, 0.3455,
0.4188


 39.9743, 0.3455,
0.4188

346.0152, 0.3298,
0.3715


 27.5185, 0.3490,
0.4313


 75.1244, 0.3401,
0.4011

 17.9630, 0.3531,
0.4476


 98.5875, 0.3380,
0.3946

 10.9234, 0.3580,
0.4698


 126.4884, 0.3361,
0.3892

 6.0154, 0.3630,
0.5013

159.2116, 0.3345,
0.3846

 2.8544, 0.3758,
0.5629

197.1415, 0.3331,
0.3806

 1.0562, 0.3545,
0.6455

240.6625, 0.3319,

 0.0000, 0.0000,

0.3772

0.0000

290.1589, 0.3308,
0.3742

■ 39.9743, 0.3455,
0.4188

■ 39.9743, 0.3455,
0.4188

■ 39.0567, 0.3538,
0.4460

■ 40.9989, 0.3363,
0.3915

■ 38.2360, 0.3608,
0.4720

■ 42.1298, 0.3267,
0.3650

■ 37.5088, 0.3659,
0.4957


■ 43.3726, 0.3170,
0.3398


■ 36.8691, 0.3688,
0.5160

■ 44.7315, 0.3075,
0.3162


■ 36.3104, 0.3693,
0.5319

■ 46.2100, 0.2984,
0.2945


 35.8246, 0.3673,
0.5430

 47.8117, 0.2897,
0.2747

 35.5774, 0.3656,
0.5479

 49.5399, 0.2817,
0.2568

 51.2298, 0.2758,
0.2430

 52.0119, 0.2799,
0.2440

Harmonies

Analogous

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



39.9743, 0.3876, 0.4083



39.9743, 0.3455, 0.4188



39.9743, 0.2966, 0.3999

Triad

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



39.9743, 0.3455, 0.4188



39.9743, 0.2234, 0.2702



39.9743, 0.3721, 0.3011

Complementary

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



39.9743, 0.3455, 0.4188



20.8113, 0.2706, 0.2330

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.



39.9743, 0.3232, 0.2704



39.9743, 0.3455, 0.4188



39.9743, 0.2397, 0.2518

Square

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



39.9743, 0.3455, 0.4188



39.9743, 0.2283, 0.3074



39.9743, 0.2749, 0.2527



39.9743, 0.4050, 0.3392

Rectangle

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



39.9743, 0.3455, 0.4188



39.9743, 0.2668, 0.3727



39.9743, 0.2749, 0.2527



39.9743, 0.3568, 0.2897

Sweetspot

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



39.9761, 0.3455, 0.4188



76.3855, 0.3225, 0.3540



27.7392, 0.3832, 0.3561



16.4887, 0.3238, 0.3574



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



39.9761, 0.3455, 0.4188



70.3877, 0.3516, 0.4385



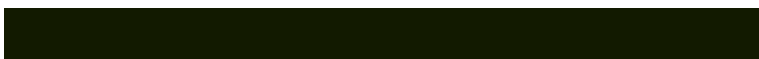
37.3088, 0.3182, 0.4270



9.7714, 0.3217, 0.3518



25.8106, 0.3662, 0.5474



0.8413, 0.3816, 0.5352

Inverse Universe

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



20.8113, 0.2706, 0.2330



31.0906, 0.2594, 0.2101



23.6407, 0.3029, 0.2415



8.3541, 0.3032, 0.3058



2.9184, 0.1729, 0.0726



0.1235, 0.2059, 0.0908

Previews

White Background



This preview shows how the Yxy color 39.9743, 0.3455, 0.4188 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 39.9743, 0.3455, 0.4188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

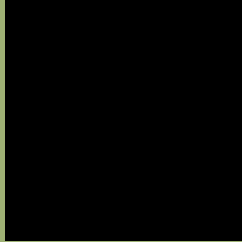
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9743, 0.3455, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 39.9743, 0.3455, 0.4188.



This preview shows how white text looks on a background with the Yxy color 39.9743, 0.3455, 0.4188.

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

39.9743, 0.3455, 0.4188

Protanopia

39.7585, 0.3767, 0.4055

Deuteranopia

39.7291, 0.3930, 0.3845



Tritanopia

39.9688, 0.3002, 0.3111

Trichromacy



Original Color

39.9743, 0.3455, 0.4188

Protanomaly

39.8339, 0.3655, 0.4105

Deuteranomaly

39.3845, 0.3753, 0.3958

Tritanomaly

39.8662, 0.3172, 0.3490

Monochromacy



Original Color

39.9743, 0.3455, 0.4188

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.1639, 0.3251, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9743, 0.3455, 0.4188 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(158, 177, 116)` looks like.

```
.text, #text, p{  
    color:rgb(158, 177, 116)  
}
```

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(158, 177, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 177, 116) }
```

Border

The CSS property to change the border of an element to Yxy 39.9743, 0.3455, 0.4188 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(158, 177, 116) }
```

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

```
.border{ border-color:rgb(158, 177, 116) }
```

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

Here you see how a box with a 4 pixel rgb(158, 177, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 177, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 177, 116);  
box-shadow:4px 4px 4px 4px rgb(158, 177,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9743, 0.3455, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 177, 116) }
```

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

```
.background{ background-color: rgb(158,  
177, 116) }
```

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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