

Converting Colors

$Yxy(36.5353, 0.3484, 0.4072)$

Have a look what the booklet for
Yxy(36.5353, 0.3484, 0.4072)
contains.

Yxy(36.5353, 0.3484, 0.4072)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5353, 0.3484, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	9EA874
RGB	158, 168, 116
RGB Percent	62%, 66%, 45%
CMY	0.3803, 0.3412, 0.5451
CMYK	0.06, 0.00, 0.31, 0.34
HSL	72°, 23%, 56%
HSV	72°, 31%, 66%
XYZ	31.2596, 36.5353, 21.9284
YIQ	159.0820, 10.7320, -18.2920

Conversions

Conversions Part 2

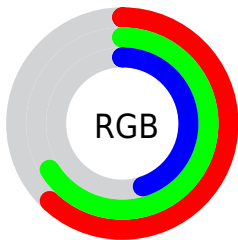
Format	Color
RYB	116, 168, 126
Decimal	10397812
CIELab	66.93, -12.31, 25.75
CIELCh	67, 28.538, 115.558
Yxy	36.5353, 0.3484, 0.4072
Android (android.graphics.Color)	4288587892 (0xFF9EA874)
YUV	159.0820, -21.2394, -0.9489
Hunter-Lab	60.4444, -13.4643, 20.8016

Details

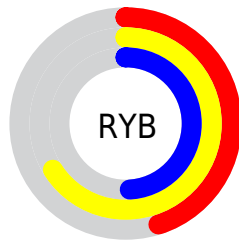
The Yxy color **36.5353, 0.3484, 0.4072** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.7526, 0.2693, 0.2428**, and the grayscale version is **34.8084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7486, 0.3422, 0.3920**, and **15.9602, 0.3582, 0.4330** is the 20% darker color. If you saturate the color by 10%, you get **35.8581, 0.3592, 0.4330**, and if you desaturate by 10%, it is **37.2950, 0.3370, 0.3812**.

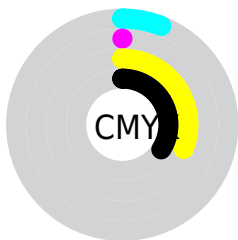
Distribution



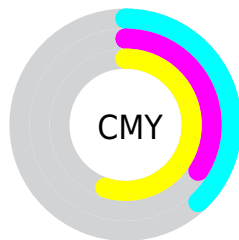
- Red (62%)
- Green (66%)
- Blue (45%)



- Red (45%)
- Yellow (66%)
- Blue (49%)



- Cyan (6%)
- Magenta (0%)
- Yellow (31%)
- Black (34%)





- Cyan (38%)
- Magenta (34%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5353, 0.3484, 0.4072 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 36.5353, 0.3484, 0.4072 by changing the saturation by 10% instead.


 36.5353, 0.3484,
0.4072


 36.5353, 0.3484,
0.4072


331.2942, 0.3306,
0.3657

 24.8479, 0.3527,
0.4183


 69.8575, 0.3420,
0.3916

 15.9638, 0.3579,
0.4329


 92.2611, 0.3396,
0.3859

 9.4985, 0.3645,
0.4530


 119.0055, 0.3376,
0.3811

 5.0678, 0.3726,
0.4819

150.4752, 0.3358,
0.3771

 2.2871, 0.3958,
0.5467

187.0545, 0.3342,
0.3736

 0.7669, 0.3584,
0.6416

229.1278, 0.3329,

 0.0000, 0.0000,

0.3706

0.0000

277.0796, 0.3317,
0.3680

■ 36.5353, 0.3484,
0.4072

■ 36.5353, 0.3484,
0.4072

■ 35.8581, 0.3592,
0.4330

■ 37.2950, 0.3370,
0.3812

■ 35.2547, 0.3688,
0.4576

■ 38.1359, 0.3253,
0.3557

■ 34.7225, 0.3768,
0.4800


■ 39.0630, 0.3138,
0.3312

■ 34.2567, 0.3826,
0.4992


■ 40.0795, 0.3027,
0.3083

■ 33.8520, 0.3860,
0.5143

■ 41.1884, 0.2921,
0.2871

 33.5021, 0.3869,
0.5250

 42.3925, 0.2822,
0.2676

 33.2200, 0.3860,
0.5317

 43.6944, 0.2730,
0.2498

 45.0969, 0.2646,
0.2338

 45.7914, 0.2640,
0.2301

Harmonies

Analogous

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



36.5353, 0.3830, 0.3956



36.5353, 0.3484, 0.4072



36.5353, 0.3057, 0.3945

Triad

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



36.5353, 0.3484, 0.4072



36.5353, 0.2333, 0.2819



36.5353, 0.3585, 0.2998

Complementary

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



36.5353, 0.3484, 0.4072



19.7526, 0.2693, 0.2428

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.



36.5353, 0.3152, 0.2739



36.5353, 0.3484, 0.4072



36.5353, 0.2449, 0.2625

Square

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



36.5353, 0.3484, 0.4072



36.5353, 0.2408, 0.3170



36.5353, 0.2739, 0.2603



36.5353, 0.3901, 0.3331

Rectangle

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



36.5353, 0.3484, 0.4072



36.5353, 0.2785, 0.3730



36.5353, 0.2739, 0.2603



36.5353, 0.3447, 0.2900

Sweetspot

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



36.5369, 0.3484, 0.4072



69.4946, 0.3232, 0.3512



24.3890, 0.3765, 0.3439



15.0973, 0.3249, 0.3547



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.5369, 0.3484, 0.4072



65.4600, 0.3558, 0.4247



34.2085, 0.3235, 0.4138



8.7001, 0.3234, 0.3515



25.1086, 0.3864, 0.5314



0.6291, 0.3980, 0.5222

Inverse Universe

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



19.7526, 0.2693, 0.2428



30.1953, 0.2578, 0.2210



21.9493, 0.2974, 0.2494



7.3672, 0.3015, 0.3059



2.3869, 0.1603, 0.0657



0.0772, 0.1898, 0.0819

Previews

White Background



This preview shows how the Yxy color 36.5353, 0.3484, 0.4072 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 36.5353, 0.3484, 0.4072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

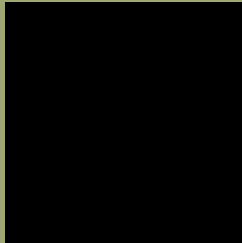
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5353, 0.3484, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 36.5353, 0.3484, 0.4072.



This preview shows how white text looks on a background with the Yxy color 36.5353, 0.3484, 0.4072.

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

36.5353, 0.3484, 0.4072

Protanopia

36.6394, 0.3705, 0.3988

Deuteranopia

36.4463, 0.3869, 0.3789



Tritanopia

36.6139, 0.3069, 0.3121

Trichromacy



Original Color

36.5353, 0.3484, 0.4072

Protanomaly

36.5831, 0.3615, 0.4018

Deuteranomaly

36.1529, 0.3723, 0.3883

Tritanomaly

36.6044, 0.3223, 0.3465

Monochromacy



Original Color

36.5353, 0.3484, 0.4072

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.1948, 0.3268, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5353, 0.3484, 0.4072 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, 168, 116)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 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, 168, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 116) }
```

Border

The CSS property to change the border of an element to Yxy 36.5353, 0.3484, 0.4072 is called "border". The border property can be set on classes, ids or directly on the HTML element.

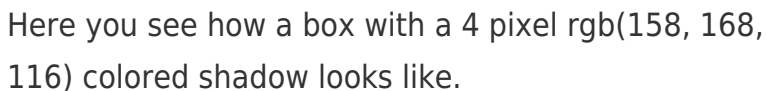
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 168, 116) }
```

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

```
.border{ border-color:rgb(158, 168, 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, 168, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 168, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 168, 116); box-shadow:4px 4px 4px 4px rgb(158, 168, 116) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5353, 0.3484, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 116) }
```

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

```
.background{ background-color: rgb(158,  
168, 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](#).

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