

Converting Colors

$Yxy(36.8176, 0.3619, 0.4116)$

Have a look what the booklet for
Yxy(36.8176, 0.3619, 0.4116)
contains.

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Color

Yxy(36.8702, 0.3620, 0.4125)

Conversions

Conversions Part 1

Format	Color
Hex	A6A76E
RGB	166, 167, 110
RGB Percent	65%, 65%, 43%
CMY	0.3491, 0.3451, 0.5687
CMYK	0.01, 0.00, 0.34, 0.35
HSL	61°, 24%, 54%
HSV	61°, 34%, 65%
XYZ	32.3564, 36.8702, 20.1557
YIQ	160.2030, 17.7010, -17.9390

Conversions

Conversions Part 2

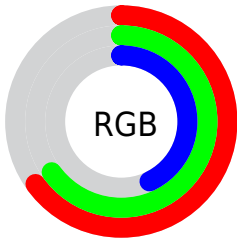
Format	Color
RYB	110, 167, 111
Decimal	10921838
CIELab	67.18, -9.41, 29.43
CIELCh	67, 30.897, 107.732
Yxy	36.8702, 0.3620, 0.4125
Android (android.graphics.Color)	4289111918 (0xFFA6A76E)
YUV	160.2030, -24.7501, 5.0840
Hunter-Lab	60.7208, -11.1439, 22.8238

Details

The Yxy color **36.8702, 0.3620, 0.4125** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.3161, 0.2536, 0.2299**, and the grayscale version is **35.3619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3808, 0.3534, 0.3963**, and **16.1091, 0.3757, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **36.5096, 0.3756, 0.4357**, and if you desaturate by 10%, it is **37.3028, 0.3476, 0.3881**.

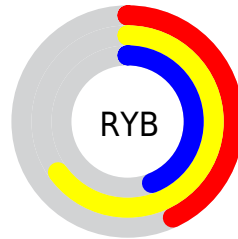
Distribution



Red (65%)

Green (65%)

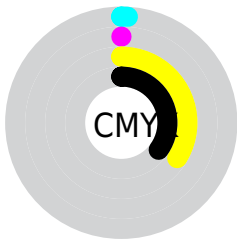
Blue (43%)



Red (43%)

Yellow (65%)

Blue (44%)

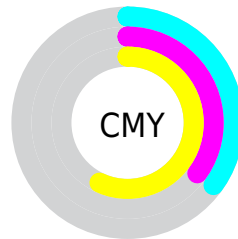


Cyan (1%)

Magenta (0%)

Yellow (34%)

Black (35%)



Cyan (35%)


Magenta (35%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8702, 0.3620, 0.4125 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 36.8702, 0.3620, 0.4125 by changing the saturation by 10% instead.


 36.8702, 0.3620,
0.4125


 36.8702, 0.3620,
0.4125


332.7482, 0.3373,
0.3687


 25.1070, 0.3680,
0.4240


 70.3731, 0.3531,
0.3961

 16.1568, 0.3754,
0.4389

 92.8816, 0.3498,
0.3901

 9.6352, 0.3846,
0.4589


 119.7407, 0.3469,
0.3851

 5.1577, 0.3960,
0.4868

 151.3347, 0.3444,
0.3808

 2.3401, 0.4352,
0.5616

188.0481, 0.3423,
0.3771

 0.7948, 0.3981,
0.6019

230.2652, 0.3404,

 0.0000, 0.0000,

0.3739

0.0000

278.3704, 0.3388,
0.3711

■ 36.8702, 0.3620,
0.4125

■ 36.8702, 0.3620,
0.4125

■ 36.5096, 0.3756,
0.4357

■ 37.3028, 0.3476,
0.3881

■ 36.2121, 0.3878,
0.4568

■ 37.8059, 0.3330,
0.3633

■ 35.9751, 0.3982,
0.4749


■ 38.3845, 0.3186,
0.3389


■ 35.7939, 0.4064,
0.4892


■ 39.0417, 0.3047,
0.3154


■ 35.6631, 0.4120,
0.4993


■ 39.7804, 0.2915,
0.2933


 35.5759, 0.4151,
0.5053

 40.6035, 0.2792,
0.2727

 35.5360, 0.4163,
0.5077

 41.5136, 0.2679,
0.2537

 42.5132, 0.2575,
0.2364

 43.2598, 0.2511,
0.2255

Harmonies

Analogous

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



36.8702, 0.3952, 0.3938



36.8702, 0.3620, 0.4125



36.8702, 0.3170, 0.4064

Triad

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



36.8702, 0.3620, 0.4125



36.8702, 0.2276, 0.2864



36.8702, 0.3504, 0.2893

Complementary

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



36.8702, 0.3620, 0.4125



17.3161, 0.2536, 0.2299

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.



36.8702, 0.3028, 0.2647



36.8702, 0.3620, 0.4125



36.8702, 0.2347, 0.2611

Square

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



36.8702, 0.3620, 0.4125



36.8702, 0.2408, 0.3276



36.8702, 0.2612, 0.2542



36.8702, 0.3894, 0.3234

Rectangle

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



36.8702, 0.3620, 0.4125



36.8702, 0.2867, 0.3870



36.8702, 0.2612, 0.2542



36.8702, 0.3347, 0.2798

Sweetspot

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



36.8719, 0.3620, 0.4125



68.0947, 0.3272, 0.3535



20.6945, 0.3904, 0.3307



15.2077, 0.3292, 0.3568



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.



36.8719, 0.3620, 0.4125



65.5241, 0.3724, 0.4303



34.1302, 0.3335, 0.4210



8.7669, 0.3259, 0.3513



27.1917, 0.4163, 0.5077



0.6636, 0.4174, 0.5068

Inverse Universe

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



17.3161, 0.2536, 0.2299



25.1085, 0.2380, 0.2038



19.4641, 0.2844, 0.2379



7.3067, 0.2989, 0.3057



2.1520, 0.1507, 0.0604



0.0543, 0.1540, 0.0622

Previews

White Background



This preview shows how the Yxy color 36.8702, 0.3620, 0.4125 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 36.8702, 0.3620, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

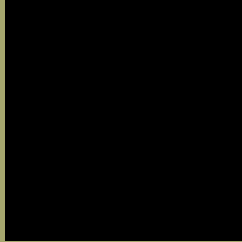
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8702, 0.3620, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 36.8702, 0.3620, 0.4125.



This preview shows how white text looks on a background with the Yxy color 36.8702, 0.3620, 0.4125.

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

36.8702, 0.3620, 0.4125

Protanopia

36.6456, 0.3760, 0.4054

Deuteranopia

36.5489, 0.3958, 0.3876



Tritanopia

36.6591, 0.3145, 0.3110

Trichromacy



Original Color

36.8702, 0.3620, 0.4125

Protanomaly

36.5393, 0.3714, 0.4079

Deuteranomaly

36.4797, 0.3831, 0.3969

Tritanomaly

36.5566, 0.3322, 0.3477

Monochromacy



Original Color

36.8702, 0.3620, 0.4125

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.8288, 0.3305, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8702, 0.3620, 0.4125 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(166, 167, 110)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 110)  
}
```

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(166, 167, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 110) }
```

Border

The CSS property to change the border of an element to Yxy 36.8702, 0.3620, 0.4125 is called "border". The border property can be set on classes, ids or directly on the HTML element.

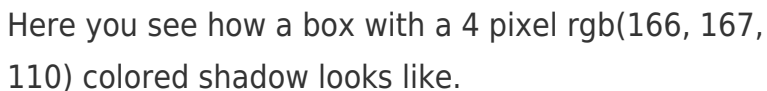
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 167, 110) }
```

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

```
.border{ border-color:rgb(166, 167, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 167, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 167, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 167, 110); box-shadow:4px 4px 4px 4px rgb(166, 167, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8702, 0.3620, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 110) }
```

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

```
.background{ background-color: rgb(166,  
167, 110) }
```

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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