

Converting Colors

$Yxy(36.8213, 0.3625, 0.4350)$

Have a look what the booklet for
Yxy(36.8213, 0.3625, 0.4350)
contains.

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Color

Yxy(36.9004, 0.3625, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	9EAA62
RGB	158, 170, 98
RGB Percent	62%, 67%, 38%
CMY	0.3804, 0.3333, 0.6158
CMYK	0.07, 0.00, 0.42, 0.33
HSL	70°, 30%, 53%
HSV	70°, 42%, 67%
XYZ	30.6798, 36.9004, 17.0537
YIQ	158.2040, 15.9600, -24.9360

Conversions

Conversions Part 2

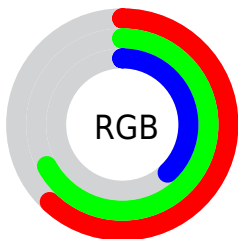
Format	Color
RYB	98, 170, 110
Decimal	10398306
CIELab	67.20, -15.65, 35.64
CIELCh	67, 38.927, 113.698
Yxy	36.9004, 0.3625, 0.4360
Android (android.graphics.Color)	4288588386 (0xFF9EAA62)
YUV	158.2040, -29.6806, -0.1789
Hunter-Lab	60.7457, -16.1530, 25.8769

Details

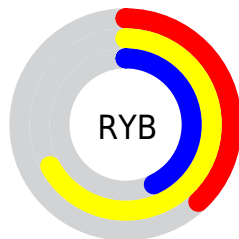
The Yxy color **36.9004, 0.3625, 0.4360** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9460, 0.2474, 0.2049**, and the grayscale version is **34.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3486, 0.3544, 0.4144**, and **16.1819, 0.3739, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **36.3305, 0.3724, 0.4600**, and if you desaturate by 10%, it is **37.5484, 0.3514, 0.4106**.

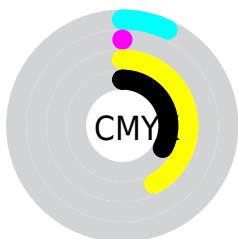
Distribution



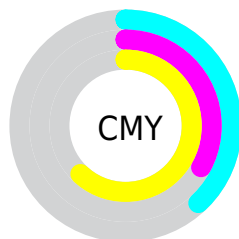
- Red (62%)
- Green (67%)
- Blue (38%)



- Red (38%)
- Yellow (67%)
- Blue (43%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)




- Cyan (38%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9004, 0.3625, 0.4360 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 36.9004, 0.3625, 0.4360 by changing the saturation by 10% instead.


 36.9004, 0.3625,
0.4360


 36.9004, 0.3625,
0.4360

332.8791, 0.3384,
0.3794


 25.1304, 0.3678,
0.4508


 70.4196, 0.3541,
0.4149


 16.1742, 0.3741,
0.4700


 92.9375, 0.3509,
0.4071

 9.6475, 0.3811,
0.4956


 119.8069, 0.3481,
0.4006

 5.1659, 0.3880,
0.5311

 151.4121, 0.3456,
0.3950

 2.3449, 0.4018,
0.5982

188.1375, 0.3435,
0.3903

 0.7973, 0.3204,
0.6796

230.3676, 0.3416,

 0.0000, 0.0000,

0.3862

0.0000

278.4866, 0.3399,
0.3826

■ 36.9004, 0.3625,
0.4360

■ 36.9004, 0.3625,
0.4360

■ 36.3305, 0.3724,
0.4600

■ 37.5484, 0.3514,
0.4106

■ 35.8294, 0.3805,
0.4815

■ 38.2736, 0.3396,
0.3847

■ 35.3938, 0.3864,
0.4996

■ 39.0813, 0.3275,
0.3592

■ 35.0181, 0.3899,
0.5136


■ 39.9751, 0.3155,
0.3346

■ 34.6956, 0.3908,
0.5231

■ 40.9581, 0.3039,
0.3114

 34.4742, 0.3904,
0.5282

 42.0334, 0.2929,
0.2899

 43.2040, 0.2826,
0.2700

 44.4727, 0.2730,
0.2519

 45.8421, 0.2642,
0.2355

Harmonies

Analogous

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



36.9004, 0.4088, 0.4151



36.9004, 0.3625, 0.4360



36.9004, 0.3052, 0.4226

Triad

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



36.9004, 0.3625, 0.4360



36.9004, 0.2077, 0.2667



36.9004, 0.3712, 0.2872

Complementary

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



36.9004, 0.3625, 0.4360



14.9460, 0.2474, 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.



36.9004, 0.3114, 0.2548



36.9004, 0.3625, 0.4360



36.9004, 0.2212, 0.2412

Square

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



36.9004, 0.3625, 0.4360



36.9004, 0.2184, 0.3145



36.9004, 0.2573, 0.2381



36.9004, 0.4164, 0.3297

Rectangle

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



36.9004, 0.3625, 0.4360



36.9004, 0.2688, 0.3934



36.9004, 0.2573, 0.2381



36.9004, 0.3519, 0.2750

Sweetspot

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



36.9021, 0.3625, 0.4360



70.7724, 0.3285, 0.3614



20.3178, 0.4125, 0.3459



15.7097, 0.3311, 0.3669



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.9021, 0.3625, 0.4360



65.9580, 0.3720, 0.4590



33.8568, 0.3285, 0.4490



8.7097, 0.3237, 0.3515



25.3791, 0.3907, 0.5280



0.6337, 0.4008, 0.5200

Inverse Universe

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



14.9460, 0.2474, 0.2049



20.6951, 0.2292, 0.1729



17.6338, 0.2868, 0.2174



7.3584, 0.3011, 0.3058



2.3370, 0.1583, 0.0646



0.0739, 0.1850, 0.0793

Previews

White Background



This preview shows how the Yxy color 36.9004, 0.3625, 0.4360 looks on a white background.

Color Contrast Check

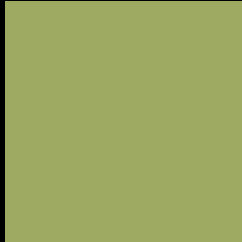
Large Text (above 18pt) WCAG AA × Fail

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 36.9004, 0.3625, 0.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

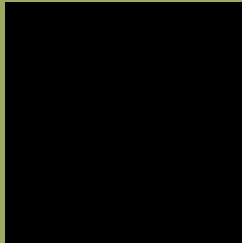
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9004, 0.3625, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 36.9004, 0.3625, 0.4360.



This preview shows how white text looks on a background with the Yxy color 36.9004, 0.3625, 0.4360.

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

36.9004, 0.3625, 0.4360

Protanopia

36.6226, 0.3895, 0.4220

Deuteranopia

36.7223, 0.4094, 0.4006



Tritanopia

36.7612, 0.3070, 0.3107

Trichromacy



Original Color

36.9004, 0.3625, 0.4360

Protanomaly

36.7934, 0.3786, 0.4275

Deuteranomaly

36.4771, 0.3914, 0.4130

Tritanomaly

36.5188, 0.3287, 0.3554

Monochromacy



Original Color

36.9004, 0.3625, 0.4360

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.8873, 0.3322, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9004, 0.3625, 0.4360 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, 170, 98)` looks like.

```
.text, #text, p{  
    color:rgb(158, 170, 98)  
}
```

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, 170, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 170, 98) }
```

Border

The CSS property to change the border of an element to Yxy 36.9004, 0.3625, 0.4360 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, 170, 98) }
```

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

```
.border{ border-color:rgb(158, 170, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 170, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 170, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 170, 98);  
box-shadow:4px 4px 4px 4px rgb(158, 170,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9004, 0.3625, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 170, 98) }
```

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

```
.background{ background-color: rgb(158,  
170, 98) }
```

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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