

Converting Colors

$Y_{xy}(36.8235, 0.3103, 0.3729)$

Have a look what the booklet for
Yxy(36.8235, 0.3103, 0.3729)
contains.

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Color

Yxy(36.8598, 0.3098, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	8EAB8F
RGB	142, 171, 143
RGB Percent	56%, 67%, 56%
CMY	0.4430, 0.3294, 0.4391
CMYK	0.17, 0.00, 0.16, 0.33
HSL	122°, 15%, 61%
HSV	122°, 17%, 67%
XYZ	30.6802, 36.8598, 31.4923
YIQ	159.1370, -8.2960, -14.8560

Conversions

Conversions Part 2

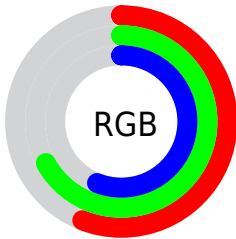
Format	Color
RYB	142, 170, 171
Decimal	9350031
CIELab	67.17, -15.51, 11.13
CIElCh	67, 19.095, 144.330
Yxy	36.8598, 0.3098, 0.3722
Android (android.graphics.Color)	4287540111 (0xFF8EAB8F)
YUV	159.1370, -7.9555, -15.0291
Hunter-Lab	60.7123, -16.0437, 11.7441

Details

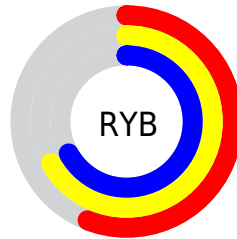
The Yxy color **36.8598, 0.3098, 0.3722** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9126, 0.3156, 0.2893**, and the grayscale version is **34.7799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1597, 0.3104, 0.3628**, and **16.2081, 0.3076, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **34.9985, 0.3079, 0.4020**, and if you desaturate by 10%, it is **39.0299, 0.3116, 0.3456**.

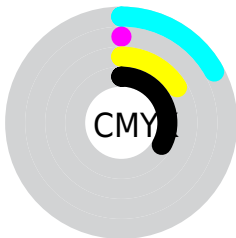
Distribution



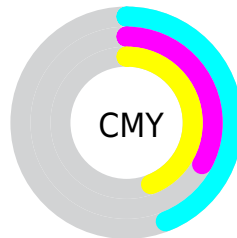
- Red (56%)
- Green (67%)
- Blue (56%)



- Red (56%)
- Yellow (67%)
- Blue (67%)



- Cyan (17%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)





- Cyan (44%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8598, 0.3098, 0.3722 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 36.8598, 0.3098, 0.3722 by changing the saturation by 10% instead.


 36.8598, 0.3098,
0.3722


 36.8598, 0.3098,
0.3722


332.7031, 0.3116,
0.3492


 25.0990, 0.3092,
0.3785


 70.3571, 0.3106,
0.3635

 16.1508, 0.3084,
0.3869


 92.8624, 0.3108,
0.3603

 9.6309, 0.3070,
0.3986


 119.7179, 0.3110,
0.3577

 5.1549, 0.3048,
0.4164

151.3080, 0.3112,
0.3554

 2.3385, 0.3004,
0.4460

188.0173, 0.3113,
0.3535

 0.7940, 0.2993,
0.6322


230.2299, 0.3114,

 0.0000, 0.0000,


0.3519


0.0000


278.3304, 0.3115,
0.3504


 36.8598, 0.3098,
0.3722


 36.8598, 0.3098,
0.3722


 34.9985, 0.3079,
0.4020


 39.0299, 0.3116,
0.3456


 33.4276, 0.3060,
0.4345


 41.5170, 0.3132,
0.3222


 32.1339, 0.3041,
0.4687

 44.3349, 0.3147,
0.3019

 31.1012, 0.3024,
0.5030

 47.4949, 0.3160,
0.2844

 30.3119, 0.3010,
0.5350

 51.0081, 0.3172,
0.2693

■ 29.7460, 0.3000,
0.5623

■ 54.8850, 0.3182,
0.2564

■ 29.3803, 0.2995,
0.5827

■ 57.6047, 0.3166,
0.2469

■ 29.1825, 0.2995,
0.5950

■ 29.1377, 0.2993,
0.5976

Harmonies

Analogous

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



36.8598, 0.3384, 0.3805



36.8598, 0.3098, 0.3722



36.8598, 0.2829, 0.3504

Triad

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



36.8598, 0.3098, 0.3722



36.8598, 0.2660, 0.2843



36.8598, 0.3634, 0.3317

Complementary

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



36.8598, 0.3098, 0.3722



30.9126, 0.3156, 0.2893

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.



36.8598, 0.3423, 0.3084



36.8598, 0.3098, 0.3722



36.8598, 0.2858, 0.2817

Square

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



36.8598, 0.3098, 0.3722



36.8598, 0.2584, 0.2988



36.8598, 0.3136, 0.2905



36.8598, 0.3702, 0.3554

Rectangle

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



36.8598, 0.3098, 0.3722



36.8598, 0.2693, 0.3321



36.8598, 0.3136, 0.2905



36.8598, 0.3577, 0.3236

Sweetspot

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



36.8614, 0.3098, 0.3722



70.6862, 0.3119, 0.3410



39.6280, 0.3367, 0.3703



15.6986, 0.3118, 0.3427



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.



36.8614, 0.3098, 0.3722



64.8215, 0.3092, 0.3820



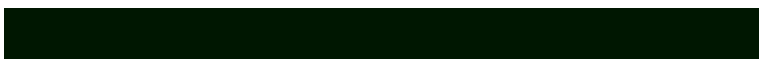
37.3282, 0.2982, 0.3495



8.9437, 0.3112, 0.3516



21.9680, 0.2992, 0.5972



0.6125, 0.2959, 0.5851

Inverse Universe

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



30.9126, 0.3156, 0.2893



52.3245, 0.3162, 0.2811



30.3953, 0.3302, 0.3094



8.1432, 0.3143, 0.3074



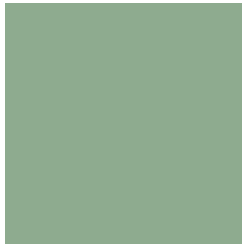
8.5793, 0.3296, 0.1589



0.2401, 0.3267, 0.1574

Previews

White Background



This preview shows how the Yxy color 36.8598, 0.3098, 0.3722 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 36.8598, 0.3098, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

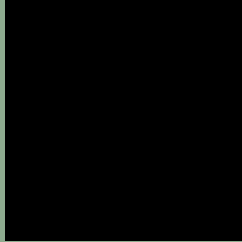
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8598, 0.3098, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 36.8598, 0.3098, 0.3722.



This preview shows how white text looks on a background with the Yxy color 36.8598, 0.3098, 0.3722.

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

36.8598, 0.3098, 0.3722

Protanopia

36.8291, 0.3432, 0.3636

Deuteranopia

36.5036, 0.3513, 0.3443



Tritanopia

36.8230, 0.2861, 0.3100

Trichromacy



Original Color

36.8598, 0.3098, 0.3722

Protanomaly

36.7430, 0.3308, 0.3675

Deuteranomaly

36.3200, 0.3349, 0.3537

Tritanomaly

36.8694, 0.2947, 0.3319

Monochromacy



Original Color

36.8598, 0.3098, 0.3722

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2666, 0.3120, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8598, 0.3098, 0.3722 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(142, 171, 143)` looks like.

```
.text, #text, p{  
    color:rgb(142, 171, 143)  
}
```

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(142, 171, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 171, 143) }
```

Border

The CSS property to change the border of an element to Yxy 36.8598, 0.3098, 0.3722 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(142, 171, 143) }
```

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

```
.border{ border-color:rgb(142, 171, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 171, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 171, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 171, 143);  
box-shadow:4px 4px 4px 4px rgb(142, 171,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8598, 0.3098, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 171, 143) }
```

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

```
.background{ background-color: rgb(142,  
171, 143) }
```

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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