

Converting Colors

Yxy(33.7846, 0.3369, 0.4120)

Have a look what the booklet for
Yxy(33.7846, 0.3369, 0.4120)
contains.

Yxy(33.9422, 0.3369, 0.4118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.9422, 0.3369, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	8FA571
RGB	143, 165, 113
RGB Percent	56%, 65%, 44%
CMY	0.4391, 0.3530, 0.5568
CMYK	0.13, 0.00, 0.32, 0.35
HSL	85°, 22%, 55%
HSV	85°, 32%, 65%
XYZ	27.7686, 33.9422, 20.7131
YIQ	152.4940, 3.5800, -20.8360

Conversions

Conversions Part 2

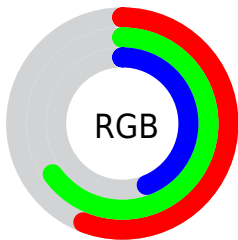
Format	Color
RYB	113, 165, 135
Decimal	9414001
CIELab	64.92, -17.00, 24.49
CIELCh	65, 29.812, 124.778
Yxy	33.9422, 0.3369, 0.4118
Android (android.graphics.Color)	4287604081 (0xFF8FA571)
YUV	152.4940, -19.4705, -8.3262
Hunter-Lab	58.2599, -16.8758, 19.7026

Details

The Yxy color **33.9422, 0.3369, 0.4118** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.6770, 0.2816, 0.2443**, and the grayscale version is **31.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7733, 0.3327, 0.3949**, and **14.4557, 0.3434, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **33.0022, 0.3436, 0.4403**, and if you desaturate by 10%, it is **34.9914, 0.3295, 0.3839**.

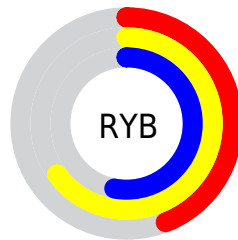
Distribution



Red (56%)

Green (65%)

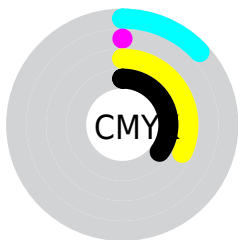
Blue (44%)



Red (44%)

Yellow (65%)

Blue (53%)

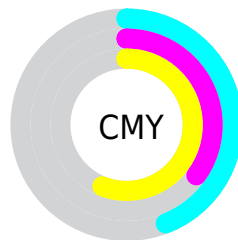


Cyan (13%)

Magenta (0%)

Yellow (32%)

Black (35%)



Cyan (44%)


Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9422, 0.3369, 0.4118 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 33.9422, 0.3369, 0.4118 by changing the saturation by 10% instead.


 33.9422, 0.3369,
0.4118


 33.9422, 0.3369,
0.4118


319.8742, 0.3251,
0.3669

 22.8492, 0.3396,
0.4242


 65.8438, 0.3328,
0.3946


 14.4822, 0.3427,
0.4408


 87.4211, 0.3312,
0.3884

 8.4568, 0.3464,
0.4642

 113.2621, 0.3298,
0.3833

 4.3886, 0.3499,
0.4989

 143.7510, 0.3286,
0.3790

 1.8932, 0.3764,
0.5965

179.2723, 0.3276,
0.3753

 0.5443, 0.1581,
0.8419

220.2103, 0.3267,

 0.0000, 0.0000,

0.3721

0.0000

266.9495, 0.3259,
0.3693

■ 33.9422, 0.3369,
0.4118

■ 33.9422, 0.3369,
0.4118

■ 33.0022, 0.3436,
0.4403

■ 34.9914, 0.3295,
0.3839

■ 32.1625, 0.3491,
0.4684

■ 36.1494, 0.3217,
0.3574

■ 31.4200, 0.3530,
0.4949


■ 37.4215, 0.3139,
0.3326

■ 30.7694, 0.3548,
0.5185


■ 38.8114, 0.3062,
0.3097

■ 30.2049, 0.3544,
0.5379

■ 40.3223, 0.2988,
0.2890


 29.7196, 0.3518,
0.5524

 41.9577, 0.2918,
0.2702

 29.3575, 0.3483,
0.5617

 43.7207, 0.2852,
0.2534

 45.6143, 0.2791,
0.2383

 47.2153, 0.2777,
0.2305

Harmonies

Analogous

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



33.9422, 0.3780, 0.4063



33.9422, 0.3369, 0.4118



33.9422, 0.2912, 0.3900

Triad

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



33.9422, 0.3369, 0.4118



33.9422, 0.2298, 0.2702



33.9422, 0.3742, 0.3080

Complementary

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



33.9422, 0.3369, 0.4118



19.6770, 0.2816, 0.2443

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.



33.9422, 0.3299, 0.2776



33.9422, 0.3369, 0.4118



33.9422, 0.2481, 0.2555

Square

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



33.9422, 0.3369, 0.4118



33.9422, 0.2314, 0.3029



33.9422, 0.2837, 0.2587



33.9422, 0.4014, 0.3446

Rectangle

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



33.9422, 0.3369, 0.4118



33.9422, 0.2642, 0.3631



33.9422, 0.2837, 0.2587



33.9422, 0.3606, 0.2969

Sweetspot

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



33.9437, 0.3369, 0.4118



65.2611, 0.3199, 0.3514



26.4272, 0.3723, 0.3628



14.2003, 0.3210, 0.3549



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.9437, 0.3369, 0.4118



59.5643, 0.3418, 0.4323



31.9063, 0.3123, 0.4184



8.0875, 0.3200, 0.3516



22.2408, 0.3490, 0.5611



0.4943, 0.3750, 0.5405

Inverse Universe

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



19.6770, 0.2816, 0.2443



29.8222, 0.2726, 0.2227



22.0709, 0.3112, 0.2513



6.9993, 0.3050, 0.3062



3.0597, 0.1900, 0.0820



0.0918, 0.2333, 0.1059

Previews

White Background



This preview shows how the Yxy color 33.9422, 0.3369, 0.4118 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 33.9422, 0.3369, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

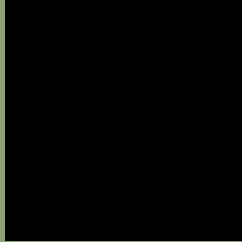
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9422, 0.3369, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 33.9422, 0.3369, 0.4118.



This preview shows how white text looks on a background with the Yxy color 33.9422, 0.3369, 0.4118.

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

33.9422, 0.3369, 0.4118

Protanopia

33.7858, 0.3706, 0.3982

Deuteranopia

33.8333, 0.3850, 0.3779



Tritanopia

33.9353, 0.2957, 0.3112

Trichromacy



Original Color

33.9422, 0.3369, 0.4118

Protanomaly

33.7629, 0.3578, 0.4035

Deuteranomaly

33.5608, 0.3663, 0.3895

Tritanomaly

33.9556, 0.3109, 0.3475

Monochromacy



Original Color

33.9422, 0.3369, 0.4118

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3385, 0.3222, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9422, 0.3369, 0.4118 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(143, 165, 113)` looks like.

```
.text, #text, p{  
    color:rgb(143, 165, 113)  
}
```

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(143, 165, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 165, 113) }
```

Border

The CSS property to change the border of an element to Yxy 33.9422, 0.3369, 0.4118 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(143, 165, 113) }
```

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

```
.border{ border-color:rgb(143, 165, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 165, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 165, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 165, 113);  
box-shadow:4px 4px 4px 4px rgb(143, 165,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9422, 0.3369, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 165, 113) }
```

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

```
.background{ background-color: rgb(143,  
165, 113) }
```

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