

Converting Colors

Yxy(33.9426, 0.3035, 0.3512)

Have a look what the booklet for
Yxy(33.9426, 0.3035, 0.3512)
contains.

Yxy(33.9398, 0.3033, 0.3509)	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(33.9398, 0.3033, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	8CA395
RGB	140, 163, 149
RGB Percent	55%, 64%, 58%
CMY	0.4511, 0.3608, 0.4156
CMYK	0.14, 0.00, 0.09, 0.36
HSL	144°, 11%, 59%
HSV	144°, 14%, 64%
XYZ	29.3358, 33.9398, 33.4465
YIQ	154.5270, -9.2140, -9.2300

Conversions

Conversions Part 2

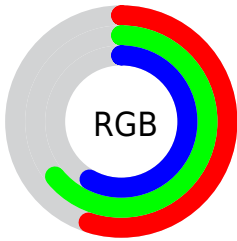
Format	Color
RYB	140, 157, 163
Decimal	9216917
CIELab	64.91, -10.87, 4.56
CIElCh	65, 11.788, 157.231
Yxy	33.9398, 0.3033, 0.3509
Android (android.graphics.Color)	4287406997 (0xFF8CA395)
YUV	154.5270, -2.7248, -12.7402
Hunter-Lab	58.2579, -12.0674, 6.7414

Details

The Yxy color **33.9398, 0.3033, 0.3509** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.8697, 0.3234, 0.3081**, and the grayscale version is **32.5736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9239, 0.3055, 0.3466**, and **14.4244, 0.3009, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **32.3257, 0.2969, 0.3686**, and if you desaturate by 10%, it is **35.7934, 0.3100, 0.3350**.

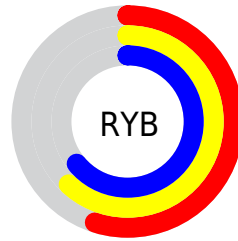
Distribution



Red (55%)

Green (64%)

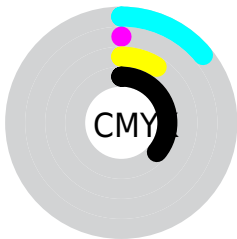
Blue (58%)



Red (55%)

Yellow (62%)

Blue (64%)

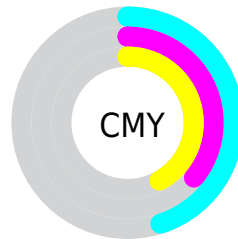


Cyan (14%)

Magenta (0%)

Yellow (9%)

Black (36%)



Cyan (45%)


Magenta (36%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9398, 0.3033, 0.3509 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 33.9398, 0.3033, 0.3509 by changing the saturation by 10% instead.


 33.9398, 0.3033,
0.3509


 33.9398, 0.3033,
0.3509


319.8635, 0.3083,
0.3392

 22.8474, 0.3019,
0.3541


 65.8400, 0.3052,
0.3465

 14.4808, 0.3001,
0.3584


 87.4166, 0.3059,
0.3448

 8.4558, 0.2974,
0.3644

 113.2567, 0.3065,
0.3435

 4.3880, 0.2934,
0.3737

143.7447, 0.3070,
0.3424

 1.8929, 0.2866,
0.3893

179.2650, 0.3074,
0.3414

 0.5441, 0.2355,
0.5088

220.2020, 0.3078,

 0.0000, 0.0000,

0.3406

0.0000

266.9400, 0.3081,
0.3398

■ 33.9398, 0.3033,
0.3509

■ 33.9398, 0.3033,
0.3509

■ 32.3257, 0.2969,
0.3686

■ 35.7934, 0.3100,
0.3350

■ 30.9370, 0.2908,
0.3881

■ 37.8915, 0.3166,
0.3209

■ 29.7646, 0.2855,
0.4092

■ 40.2442, 0.3232,
0.3085

■ 28.7969, 0.2813,
0.4316

■ 42.8600, 0.3296,
0.2976

■ 28.0215, 0.2783,
0.4548

■ 45.7467, 0.3357,
0.2880

■ 27.4245, 0.2770,
0.4781

■ 48.9120, 0.3415,
0.2797

■ 26.9898, 0.2775,
0.5007

■ 52.3631, 0.3470,
0.2724

■ 26.6985, 0.2798,
0.5217

■ 53.0712, 0.3391,
0.2632

■ 26.5670, 0.2814,
0.5332

■ 53.6378, 0.3306,
0.2541

Harmonies

Analogous

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



33.9398, 0.3217, 0.3601



33.9398, 0.3033, 0.3509



33.9398, 0.2877, 0.3353

Triad

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



33.9398, 0.3033, 0.3509



33.9398, 0.2875, 0.2986



33.9398, 0.3478, 0.3379

Complementary

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



33.9398, 0.3033, 0.3509



28.8697, 0.3234, 0.3081

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.



33.9398, 0.3381, 0.3222



33.9398, 0.3033, 0.3509



33.9398, 0.3030, 0.3000

Square

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



33.9398, 0.3033, 0.3509



33.9398, 0.2788, 0.3051



33.9398, 0.3215, 0.3085



33.9398, 0.3477, 0.3519

Rectangle

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



33.9398, 0.3033, 0.3509



33.9398, 0.2809, 0.3239



33.9398, 0.3215, 0.3085



33.9398, 0.3455, 0.3327

Sweetspot

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



33.9412, 0.3033, 0.3509



64.1155, 0.3100, 0.3350



34.9775, 0.3246, 0.3640



14.3425, 0.3095, 0.3360



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.



33.9412, 0.3033, 0.3509



59.8125, 0.3012, 0.3563



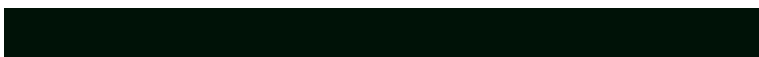
34.3200, 0.2939, 0.3331



7.9389, 0.3065, 0.3430



20.6539, 0.2810, 0.5315



0.4431, 0.2604, 0.4574

Inverse Universe

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



28.8697, 0.3234, 0.3081



48.9216, 0.3262, 0.3031



28.5108, 0.3353, 0.3250



7.1548, 0.3195, 0.3154



6.7610, 0.4480, 0.2242



0.1510, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 33.9398, 0.3033, 0.3509 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 33.9398, 0.3033, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

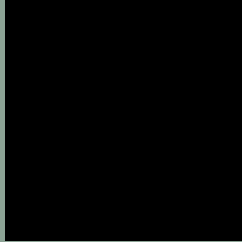
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9398, 0.3033, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 33.9398, 0.3033, 0.3509.

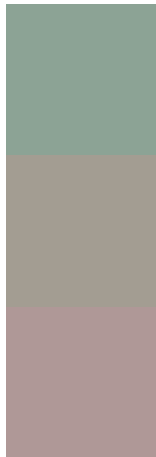


This preview shows how white text looks on a background with the Yxy color 33.9398, 0.3033, 0.3509.

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

33.9398, 0.3033, 0.3509

Protanopia

33.9758, 0.3288, 0.3454

Deuteranopia

33.8048, 0.3372, 0.3305



Tritanopia

34.0495, 0.2878, 0.3109

Trichromacy



Original Color

33.9398, 0.3033, 0.3509

Protanomaly

33.8714, 0.3196, 0.3472

Deuteranomaly

33.6603, 0.3242, 0.3379

Tritanomaly

34.0097, 0.2935, 0.3244

Monochromacy



Original Color

33.9398, 0.3033, 0.3509

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.2377, 0.3095, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9398, 0.3033, 0.3509 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(140, 163, 149)` looks like.

```
.text, #text, p{  
    color:rgb(140, 163, 149)  
}
```

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(140, 163, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 163, 149) }
```

Border

The CSS property to change the border of an element to Yxy 33.9398, 0.3033, 0.3509 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(140, 163, 149) }
```

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

```
.border{ border-color:rgb(140, 163, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 163, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 163, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 163, 149);  
box-shadow:4px 4px 4px 4px rgb(140, 163,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9398, 0.3033, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 163, 149) }
```

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

```
.background{ background-color: rgb(140,  
163, 149) }
```

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