

Converting Colors

$Yxy(33.8182, 0.3091, 0.3456)$

Have a look what the booklet for
Yxy(33.8182, 0.3091, 0.3456)
contains.

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Color

Yxy(33.8948, 0.3091, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	93A196
RGB	147, 161, 150
RGB Percent	58%, 63%, 59%
CMY	0.4234, 0.3687, 0.4117
CMYK	0.09, 0.00, 0.07, 0.37
HSL	133°, 7%, 60%
HSV	133°, 9%, 63%
XYZ	30.2888, 33.8948, 33.8066
YIQ	155.5600, -4.8130, -6.3890

Conversions

Conversions Part 2

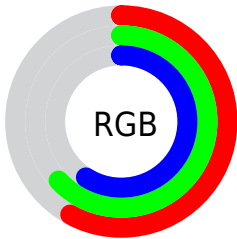
Format	Color
RYB	147, 159, 161
Decimal	9675158
CIELab	64.88, -7.10, 4.02
CIELCh	65, 8.154, 150.477
Yxy	33.8948, 0.3091, 0.3459
Android (android.graphics.Color)	4287865238 (0xFF93A196)
YUV	155.5600, -2.7411, -7.5071
Hunter-Lab	58.2192, -9.0184, 6.3251

Details

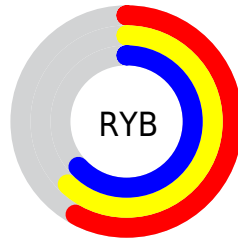
The Yxy color **33.8948, 0.3091, 0.3459** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9254, 0.3165, 0.3127**, and the grayscale version is **33.0574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8889, 0.3099, 0.3429**, and **14.3249, 0.3076, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **32.1238, 0.3049, 0.3677**, and if you desaturate by 10%, it is **35.9211, 0.3133, 0.3266**.

Distribution



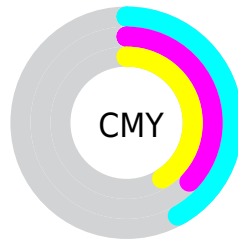
- Red (58%)
- Green (63%)
- Blue (59%)



- Red (58%)
- Yellow (62%)
- Blue (63%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (37%)





- Cyan (42%)
- Magenta (37%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8948, 0.3091, 0.3459 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 33.8948, 0.3091, 0.3459 by changing the saturation by 10% instead.


 33.8948, 0.3091,
0.3459


 33.8948, 0.3091,
0.3459


319.6627, 0.3111,
0.3369

 22.8128, 0.3086,
0.3483


 65.7700, 0.3098,
0.3425

 14.4553, 0.3078,
0.3516


 87.3321, 0.3101,
0.3413

 8.4380, 0.3068,
0.3562


113.1562, 0.3103,
0.3402

 4.3765, 0.3052,
0.3632

143.6269, 0.3105,
0.3394

 1.8863, 0.3024,
0.3750

179.1285, 0.3107,
0.3386

 0.5401, 0.2865,
0.4548

220.0454, 0.3108,

 0.0000, 0.0000,

0.3380

0.0000

266.7620, 0.3110,
0.3374

■ 33.8948, 0.3091,
0.3459

■ 33.8948, 0.3091,
0.3459

■ 32.1238, 0.3049,
0.3677

■ 35.9211, 0.3133,
0.3266

■ 30.5937, 0.3008,
0.3921

■ 38.2079, 0.3173,
0.3096

■ 29.2954, 0.2971,
0.4186

■ 40.7654, 0.3212,
0.2948

■ 28.2174, 0.2938,
0.4470

■ 43.6023, 0.3248,
0.2819

■ 27.3473, 0.2914,
0.4762

■ 46.7266, 0.3282,
0.2707

■ 26.6712, 0.2900,
0.5050

■ 50.1462, 0.3314,
0.2611

■ 26.1737, 0.2899,
0.5319

■ 52.9595, 0.3303,
0.2517

■ 25.8371, 0.2911,
0.5553

■ 53.7332, 0.3199,
0.2406

■ 25.6283, 0.2932,
0.5740

■ 53.9669, 0.3170,
0.2375

Harmonies

Analogous

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



33.8948, 0.3218, 0.3509



33.8948, 0.3091, 0.3459



33.8948, 0.2975, 0.3360

Triad

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



33.8948, 0.3091, 0.3459



33.8948, 0.2933, 0.3084



33.8948, 0.3359, 0.3329

Complementary

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



33.8948, 0.3091, 0.3459



30.9254, 0.3165, 0.3127

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.



33.8948, 0.3280, 0.3220



33.8948, 0.3091, 0.3459



33.8948, 0.3033, 0.3080

Square

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



33.8948, 0.3091, 0.3459



33.8948, 0.2885, 0.3143



33.8948, 0.3160, 0.3130



33.8948, 0.3375, 0.3431

Rectangle

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



33.8948, 0.3091, 0.3459



33.8948, 0.2919, 0.3283



33.8948, 0.3160, 0.3130



33.8948, 0.3339, 0.3292

Sweetspot

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



33.8962, 0.3091, 0.3459



62.6898, 0.3114, 0.3348



34.8843, 0.3225, 0.3499



13.6868, 0.3111, 0.3363



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.8962, 0.3091, 0.3459



60.2002, 0.3085, 0.3491



34.1214, 0.3032, 0.3354



7.9186, 0.3088, 0.3472



20.4569, 0.2930, 0.5750



0.4361, 0.2755, 0.5119

Inverse Universe

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



30.9254, 0.3165, 0.3127



54.0080, 0.3173, 0.3097



30.6980, 0.3232, 0.3227



7.1762, 0.3168, 0.3115



7.2744, 0.3822, 0.1879



0.1590, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 33.8948, 0.3091, 0.3459 looks on a white background.

Color Contrast Check

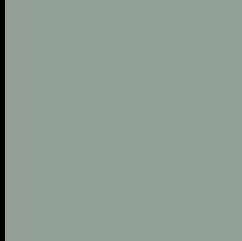
Large Text (above 18pt) WCAG AA × Fail

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 33.8948, 0.3091, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

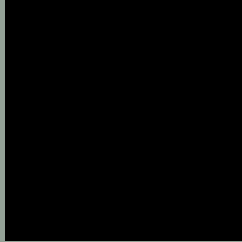
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

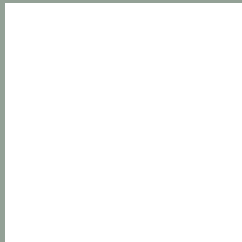
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8948, 0.3091, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 33.8948, 0.3091, 0.3459.



This preview shows how white text looks on a background with the Yxy color 33.8948, 0.3091, 0.3459.

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

33.8948, 0.3091, 0.3459

Protanopia

33.9334, 0.3260, 0.3424

Deuteranopia

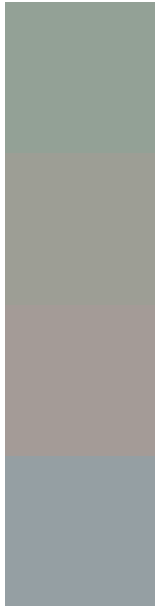
33.7221, 0.3352, 0.3291



Tritanopia

33.8400, 0.2947, 0.3111

Trichromacy



Original Color

33.8948, 0.3091, 0.3459

Protanomaly

33.7917, 0.3199, 0.3426

Deuteranomaly

33.5696, 0.3254, 0.3349

Tritanomaly

33.8302, 0.2998, 0.3229

Monochromacy



Original Color

33.8948, 0.3091, 0.3459

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.5591, 0.3115, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8948, 0.3091, 0.3459 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(147, 161, 150)` looks like.

```
.text, #text, p{  
    color:rgb(147, 161, 150)  
}
```

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(147, 161, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 161, 150) }
```

Border

The CSS property to change the border of an element to Yxy 33.8948, 0.3091, 0.3459 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(147, 161, 150) }
```

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

```
.border{ border-color:rgb(147, 161, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 161, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 161, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 161, 150);  
box-shadow:4px 4px 4px 4px rgb(147, 161,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8948, 0.3091, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 161, 150) }
```

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

```
.background{ background-color: rgb(147,  
161, 150) }
```

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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