

Converting Colors

$Y_{xy}(32.1521, 0.3060, 0.3321)$

Have a look what the booklet for
Yxy(32.1521, 0.3060, 0.3321)
contains.

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Color

Yxy(32.3131, 0.3058, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	939C9A
RGB	147, 156, 154
RGB Percent	58%, 61%, 60%
CMY	0.4235, 0.3882, 0.3962
CMYK	0.06, 0.00, 0.01, 0.39
HSL	167°, 4%, 59%
HSV	167°, 6%, 61%
XYZ	29.7541, 32.3131, 35.2321
YIQ	153.0810, -4.7220, -2.5300

Conversions

Conversions Part 2

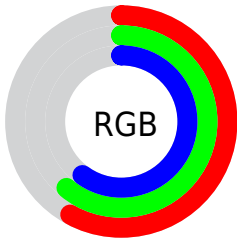
Format	Color
RYB	147, 152, 156
Decimal	9673882
CIELab	63.60, -3.61, -0.06
CIElCh	64, 3.608, 181.003
Yxy	32.3131, 0.3058, 0.3321
Android (android.graphics.Color)	4287863962 (0xFF939C9A)
YUV	153.0810, 0.4531, -5.3330
Hunter-Lab	56.8446, -6.0460, 3.0435

Details

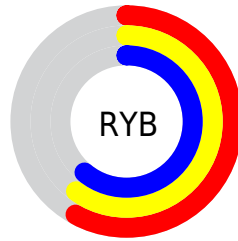
The Yxy color **32.3131, 0.3058, 0.3321** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1107, 0.3201, 0.3259**, and the grayscale version is **31.8928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0648, 0.3074, 0.3313**, and **13.5692, 0.3028, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **30.8534, 0.2941, 0.3379**, and if you desaturate by 10%, it is **33.9746, 0.3179, 0.3268**.

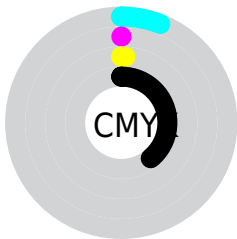
Distribution



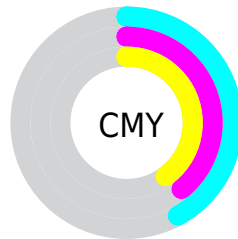
- Red (58%)
- Green (61%)
- Blue (60%)



- Red (58%)
- Yellow (60%)
- Blue (61%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



- Cyan (42%)
- Magenta (39%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3131, 0.3058, 0.3321 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 32.3131, 0.3058, 0.3321 by changing the saturation by 10% instead.

■ 32.3131, 0.3058,
0.3321

■ 32.3131, 0.3058,
0.3321

■ 312.5431, 0.3095,
0.3305

■ 21.6008, 0.3048,
0.3325

■ 63.3016, 0.3072,
0.3315

■ 13.5638, 0.3035,
0.3331

■ 84.3466, 0.3077,
0.3313

■ 7.8179, 0.3016,
0.3340

■ 109.6045, 0.3081,
0.3311

■ 3.9787, 0.2988,
0.3352

■ 139.4599, 0.3085,
0.3309

■ 1.6616, 0.2941,
0.3373

■ 174.2970, 0.3088,
0.3308

■ 0.3986, 0.2578,
0.3534

■ 214.5003, 0.3090,

■ 0.0000, 0.0000,

0.3307

0.0000

260.4542, 0.3093,
0.3306

■ 32.3131, 0.3058,
0.3321

■ 32.3131, 0.3058,
0.3321

■ 30.8534, 0.2941,
0.3379

■ 33.9746, 0.3179,
0.3268

■ 29.5835, 0.2831,
0.3443

■ 35.8411, 0.3301,
0.3221

■ 28.4963, 0.2731,
0.3511

■ 37.9210, 0.3423,
0.3179

■ 27.5830, 0.2642,
0.3584

■ 40.2211, 0.3544,
0.3142

■ 26.8336, 0.2567,
0.3661

■ 42.7477, 0.3662,
0.3109

■ 26.2376, 0.2510,
0.3740

■ 45.5069, 0.3776,
0.3081

■ 25.7827, 0.2471,
0.3821

■ 48.2735, 0.3875,
0.3056

■ 25.4551, 0.2451,
0.3903

■ 48.4168, 0.3840,
0.3019

■ 25.2359, 0.2448,
0.3984

■ 48.5637, 0.3804,
0.2983

Harmonies

Analogous

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



32.3131, 0.3110, 0.3364



32.3131, 0.3058, 0.3321



32.3131, 0.3024, 0.3269

Triad

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



32.3131, 0.3058, 0.3321



32.3131, 0.3086, 0.3195



32.3131, 0.3238, 0.3355

Complementary

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



32.3131, 0.3058, 0.3321



30.1107, 0.3201, 0.3259

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.



32.3131, 0.3231, 0.3310



32.3131, 0.3058, 0.3321



32.3131, 0.3143, 0.3218

Square

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



32.3131, 0.3058, 0.3321



32.3131, 0.3040, 0.3197



32.3131, 0.3197, 0.3259



32.3131, 0.3215, 0.3384

Rectangle

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



32.3131, 0.3058, 0.3321



32.3131, 0.3017, 0.3238



32.3131, 0.3197, 0.3259



32.3131, 0.3239, 0.3341

Sweetspot

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



32.3145, 0.3058, 0.3321



59.7698, 0.3103, 0.3301



32.2847, 0.3141, 0.3430



13.1600, 0.3104, 0.3300



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



32.3145, 0.3058, 0.3321



58.3040, 0.3042, 0.3329



31.5858, 0.3041, 0.3253



7.5497, 0.3039, 0.3330



20.7259, 0.2448, 0.4012



0.3764, 0.2358, 0.3689

Inverse Universe

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



30.1107, 0.3201, 0.3259



53.3903, 0.3220, 0.3252



30.8001, 0.3218, 0.3327



6.8900, 0.3224, 0.3250



5.9267, 0.5959, 0.3056



0.1116, 0.5005, 0.2531

Previews

White Background



This preview shows how the Yxy color 32.3131, 0.3058, 0.3321 looks on a white background.

Color Contrast Check

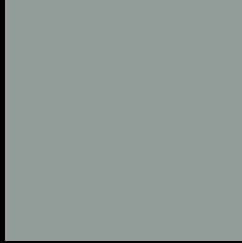
Large Text (above 18pt) WCAG AA × Fail

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 32.3131, 0.3058, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

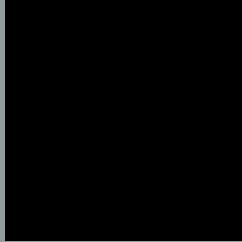
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

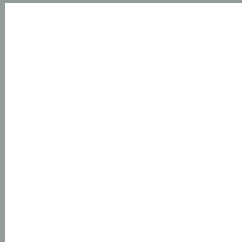
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3131, 0.3058, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 32.3131, 0.3058, 0.3321.

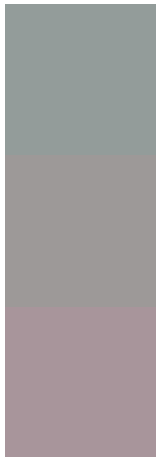


This preview shows how white text looks on a background with the Yxy color 32.3131, 0.3058, 0.3321.

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

32.3131, 0.3058, 0.3321

Protanopia

32.2176, 0.3177, 0.3305

Deuteranopia

32.1863, 0.3265, 0.3203



Tritanopia

32.2539, 0.2971, 0.3108

Trichromacy



Original Color

32.3131, 0.3058, 0.3321

Protanomaly

32.1834, 0.3126, 0.3305

Deuteranomaly

32.2966, 0.3180, 0.3245

Tritanomaly

32.3472, 0.2997, 0.3183

Monochromacy



Original Color

32.3131, 0.3058, 0.3321

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.9904, 0.3107, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3131, 0.3058, 0.3321 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, 156, 154)` looks like.

```
.text, #text, p{  
    color:rgb(147, 156, 154)  
}
```

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, 156, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 156, 154) }
```

Border

The CSS property to change the border of an element to Yxy 32.3131, 0.3058, 0.3321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

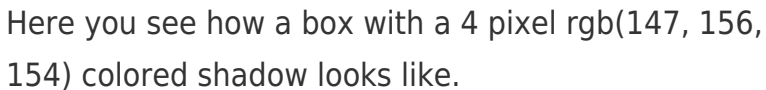
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 156, 154) }
```

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

```
.border{ border-color:rgb(147, 156, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 156, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 156, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 156, 154); box-shadow:4px 4px 4px 4px rgb(147, 156, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3131, 0.3058, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 156, 154) }
```

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

```
.background{ background-color: rgb(147,  
156, 154) }
```

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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