

Converting Colors

$Y_{xy}(31.5796, 0.3158, 0.3203)$

Have a look what the booklet for
Yxy(31.5796, 0.3158, 0.3203)
contains.

Yxy(31.5839, 0.3162, 0.3200)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5839, 0.3162, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	9F969C
RGB	159, 150, 156
RGB Percent	62%, 59%, 61%
CMY	0.3764, 0.4118, 0.3882
CMYK	0.00, 0.06, 0.02, 0.38
HSL	320°, 4%, 61%
HSV	320°, 6%, 62%
XYZ	31.2088, 31.5839, 35.9069
YIQ	153.3750, 3.4380, 3.7740

Conversions

Conversions Part 2

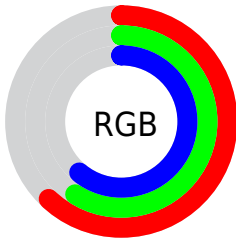
Format	Color
R_{YB}	159, 150, 156
Decimal	10458780
CIE Lab	63.00, 4.44, -1.97
CIE LCh	63, 4.858, 336.017
Yxy	31.5839, 0.3162, 0.3200
Android (android.graphics.Color)	4288648860 (0xFF9F969C)
YUV	153.3750, 1.2941, 4.9331
Hunter-Lab	56.1996, 0.7757, 1.4582

Details

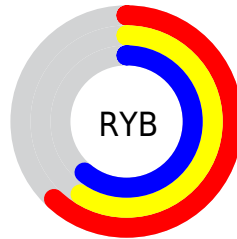
The Yxy color **31.5839, 0.3162, 0.3200** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5881, 0.3094, 0.3382**, and the grayscale version is **32.0222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1350, 0.3161, 0.3222**, and **13.1317, 0.3177, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **26.6739, 0.3232, 0.3035**, and if you desaturate by 10%, it is **37.1932, 0.3103, 0.3357**.

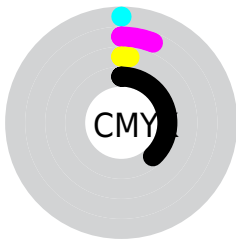
Distribution



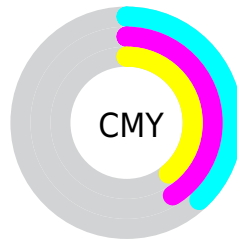
- Red (62%)
- Green (59%)
- Blue (61%)



- Red (62%)
- Yellow (59%)
- Blue (61%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (38%)





- Cyan (38%)
- Magenta (41%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5839, 0.3162, 0.3200 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 31.5839, 0.3162, 0.3200 by changing the saturation by 10% instead.


 31.5839, 0.3162,
0.3200


 31.5839, 0.3162,
0.3200


309.2194, 0.3144,
0.3248

 21.0439, 0.3167,
0.3187


 62.1582, 0.3155,
0.3218

 13.1561, 0.3174,
0.3170


 82.9613, 0.3153,
0.3225

 7.5361, 0.3183,
0.3146


107.9541, 0.3150,
0.3230

 3.7996, 0.3196,
0.3110

137.5212, 0.3149,
0.3235

 1.5621, 0.3219,
0.3050

172.0469, 0.3147,
0.3239

 0.3318, 0.3377,
0.2644

211.9155, 0.3146,

 0.0000, 0.0000,

0.3242

0.0000

257.5116, 0.3145,
0.3245

■ 31.5839, 0.3162,
0.3200

■ 31.5839, 0.3162,
0.3200

■ 26.6739, 0.3232,
0.3035

■ 37.1932, 0.3103,
0.3357

■ 22.4315, 0.3314,
0.2865

■ 43.5239, 0.3053,
0.3503

■ 18.8286, 0.3409,
0.2695

■ 50.6021, 0.3011,
0.3640

■ 15.8334, 0.3518,
0.2530

■ 58.4512, 0.2977,
0.3765

■ 13.4115, 0.3640,
0.2380

■ 67.0939, 0.2948,
0.3881

■ 11.5249, 0.3773,
0.2253

■ 76.5518, 0.2924,
0.3987

■ 10.1312, 0.3914,
0.2162

■ 82.7519, 0.2901,
0.4020

■ 9.1812, 0.4057,
0.2115

■ 82.9935, 0.2874,
0.3954

■ 8.6096, 0.4199,
0.2115

■ 83.2438, 0.2847,
0.3889

Harmonies

Analogous

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



31.5839, 0.3084, 0.3164



31.5839, 0.3162, 0.3200



31.5839, 0.3232, 0.3259

Triad

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



31.5839, 0.3162, 0.3200



31.5839, 0.3237, 0.3421



31.5839, 0.2984, 0.3250

Complementary

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



31.5839, 0.3162, 0.3200



33.5881, 0.3094, 0.3382

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.



31.5839, 0.3024, 0.3320



31.5839, 0.3162, 0.3200



31.5839, 0.3169, 0.3420

Square

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



31.5839, 0.3162, 0.3200



31.5839, 0.3275, 0.3386



31.5839, 0.3091, 0.3383



31.5839, 0.2981, 0.3192

Rectangle

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



31.5839, 0.3162, 0.3200



31.5839, 0.3263, 0.3305



31.5839, 0.3091, 0.3383



31.5839, 0.2993, 0.3273

Sweetspot

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



31.5853, 0.3162, 0.3200



60.0546, 0.3139, 0.3258



31.0882, 0.3073, 0.3153



13.5658, 0.3139, 0.3260



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.



31.5853, 0.3162, 0.3200



55.1912, 0.3171, 0.3177



31.4354, 0.3205, 0.3268



6.9285, 0.3173, 0.3172



6.6499, 0.4250, 0.2115



0.1264, 0.3749, 0.1839

Inverse Universe

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



31.5853, 0.3162, 0.3200



55.1912, 0.3171, 0.3177



33.7399, 0.3054, 0.3313



6.9285, 0.3173, 0.3172



6.6499, 0.4250, 0.2115



0.1264, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 31.5839, 0.3162, 0.3200 looks on a white background.

Color Contrast Check

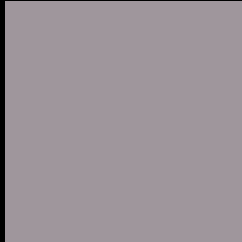
Large Text (above 18pt) WCAG AA × Fail

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 31.5839, 0.3162, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

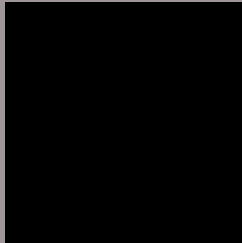
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5839, 0.3162, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 31.5839, 0.3162, 0.3200.



This preview shows how white text looks on a background with the Yxy color 31.5839, 0.3162, 0.3200.

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

31.5839, 0.3162, 0.3200

Protanopia

31.7608, 0.3101, 0.3214

Deuteranopia

31.5794, 0.3226, 0.3172



Tritanopia

31.5417, 0.3125, 0.3112

Trichromacy



Original Color

31.5839, 0.3162, 0.3200

Protanomaly

31.6355, 0.3121, 0.3200

Deuteranomaly

31.6817, 0.3204, 0.3187

Tritanomaly

31.4717, 0.3144, 0.3141

Monochromacy



Original Color

31.5839, 0.3162, 0.3200

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7581, 0.3139, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5839, 0.3162, 0.3200 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(159, 150, 156)` looks like.

```
.text, #text, p{  
    color:rgb(159, 150, 156)  
}
```

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(159, 150, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 150, 156) }
```

Border

The CSS property to change the border of an element to Yxy 31.5839, 0.3162, 0.3200 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(159, 150, 156) }
```

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

```
.border{ border-color:rgb(159, 150, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 150, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 150, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 150, 156);  
box-shadow:4px 4px 4px 4px rgb(159, 150,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5839, 0.3162, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 150, 156) }
```

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

```
.background{ background-color: rgb(159,  
150, 156) }
```

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