

Converting Colors

$Y_{xy}(31.6070, 0.3330, 0.3700)$

Have a look what the booklet for
Yxy(31.6070, 0.3330, 0.3700)
contains.

Yxy(31.6070, 0.3330, 0.3700)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6070, 0.3330, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	979B81
RGB	151, 155, 129
RGB Percent	59%, 61%, 51%
CMY	0.4078, 0.3921, 0.4941
CMYK	0.03, 0.00, 0.17, 0.39
HSL	69°, 12%, 56%
HSV	69°, 17%, 61%
XYZ	28.4463, 31.6070, 25.3710
YIQ	150.8400, 5.9620, -8.9340

Conversions

Conversions Part 2

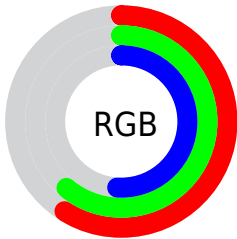
Format	Color
RYB	129, 155, 133
Decimal	9935745
CIELab	63.02, -6.14, 13.16
CIELCh	63, 14.525, 114.999
Yxy	31.6070, 0.3330, 0.3700
Android (android.graphics.Color)	4288125825 (0xFF979B81)
YUV	150.8400, -10.7671, 0.1403
Hunter-Lab	56.2201, -8.0676, 12.5977

Details

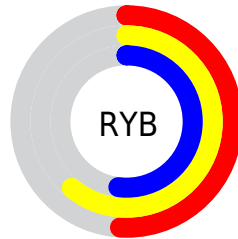
The Yxy color **31.6070, 0.3330, 0.3700** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.0552, 0.2904, 0.2856**, and the grayscale version is **30.9211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9575, 0.3288, 0.3610**, and **13.1891, 0.3391, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **31.0008, 0.3452, 0.3955**, and if you desaturate by 10%, it is **32.2831, 0.3208, 0.3452**.

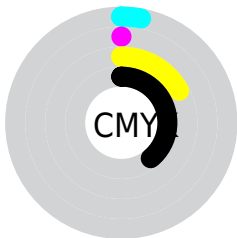
Distribution



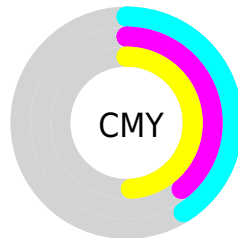
- Red (59%)
- Green (61%)
- Blue (51%)



- Red (51%)
- Yellow (61%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)





- Cyan (41%)
- Magenta (39%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6070, 0.3330, 0.3700 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 31.6070, 0.3330, 0.3700 by changing the saturation by 10% instead.


 31.6070, 0.3330,
0.3700


 31.6070, 0.3330,
0.3700


309.3251, 0.3224,
0.3479


 21.0615, 0.3358,
0.3761


 62.1945, 0.3290,
0.3615

 13.1690, 0.3395,
0.3843


 83.0052, 0.3276,
0.3585

 7.5450, 0.3445,
0.3960


 108.0066, 0.3263,
0.3560

 3.8052, 0.3518,
0.4138

137.5828, 0.3253,
0.3538

 1.5652, 0.3662,
0.4481

172.1184, 0.3244,
0.3520

 0.3340, 0.3341,
0.6659

211.9977, 0.3236,

 0.0000, 0.0000,

0.3505

0.0000

257.6051, 0.3230,
0.3491

■ 31.6070, 0.3330,
0.3700

■ 31.6070, 0.3330,
0.3700

■ 31.0008, 0.3452,
0.3955

■ 32.2831, 0.3208,
0.3452

■ 30.4576, 0.3569,
0.4210

■ 33.0276, 0.3089,
0.3215

■ 29.9757, 0.3677,
0.4455

■ 33.8445, 0.2975,
0.2993

■ 29.5517, 0.3771,
0.4683

■ 34.7361, 0.2868,
0.2788

■ 29.1820, 0.3845,
0.4881

■ 35.7046, 0.2768,
0.2600

■ 28.8625, 0.3897,
0.5043

■ 36.7522, 0.2676,
0.2429

■ 28.5885, 0.3924,
0.5162

■ 37.8811, 0.2591,
0.2274

■ 28.3527, 0.3928,
0.5241

■ 39.0931, 0.2514,
0.2134

■ 28.2799, 0.3928,
0.5263

■ 39.4895, 0.2519,
0.2121

Harmonies

Analogous

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



31.6070, 0.3510, 0.3652



31.6070, 0.3330, 0.3700



31.6070, 0.3101, 0.3629

Triad

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



31.6070, 0.3330, 0.3700



31.6070, 0.2688, 0.3047



31.6070, 0.3369, 0.3129

Complementary

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



31.6070, 0.3330, 0.3700



23.0552, 0.2904, 0.2856

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.



31.6070, 0.3141, 0.2981



31.6070, 0.3330, 0.3700



31.6070, 0.2753, 0.2929

Square

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



31.6070, 0.3330, 0.3700



31.6070, 0.2735, 0.3239



31.6070, 0.2916, 0.2908



31.6070, 0.3534, 0.3319

Rectangle

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



31.6070, 0.3330, 0.3700



31.6070, 0.2951, 0.3522



31.6070, 0.2916, 0.2908



31.6070, 0.3297, 0.3073

Sweetspot

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



31.6084, 0.3330, 0.3700



58.0271, 0.3188, 0.3411



25.3026, 0.3427, 0.3354



13.1151, 0.3196, 0.3427



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.



31.6084, 0.3330, 0.3700



56.1971, 0.3374, 0.3792



30.4412, 0.3197, 0.3717



7.1747, 0.3238, 0.3511



22.7266, 0.3930, 0.5262



0.3512, 0.4056, 0.5162

Inverse Universe

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



23.0552, 0.2904, 0.2856



38.0392, 0.2849, 0.2752



24.1702, 0.3044, 0.2874



6.0697, 0.3011, 0.3062



2.0669, 0.1577, 0.0642



0.0411, 0.1868, 0.0803

Previews

White Background



This preview shows how the Yxy color 31.6070, 0.3330, 0.3700 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 31.6070, 0.3330, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

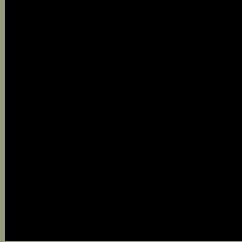
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

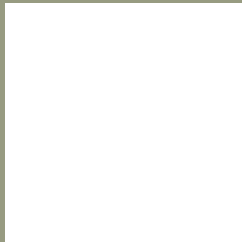
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6070, 0.3330, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 31.6070, 0.3330, 0.3700.



This preview shows how white text looks on a background with the Yxy color 31.6070, 0.3330, 0.3700.

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

31.6070, 0.3330, 0.3700

Protanopia

31.5921, 0.3453, 0.3658

Deuteranopia

31.6201, 0.3590, 0.3525



Tritanopia

31.4892, 0.3075, 0.3110

Trichromacy



Original Color

31.6070, 0.3330, 0.3700

Protanomaly

31.5091, 0.3408, 0.3678

Deuteranomaly

31.5314, 0.3493, 0.3592

Tritanomaly

31.5285, 0.3166, 0.3321

Monochromacy



Original Color

31.6070, 0.3330, 0.3700

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0190, 0.3202, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6070, 0.3330, 0.3700 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(151, 155, 129)` looks like.

```
.text, #text, p{  
    color:rgb(151, 155, 129)  
}
```

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(151, 155, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 155, 129) }
```

Border

The CSS property to change the border of an element to Yxy 31.6070, 0.3330, 0.3700 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(151, 155, 129) }
```

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

```
.border{ border-color:rgb(151, 155, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 155, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 155, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 155, 129);  
box-shadow:4px 4px 4px 4px rgb(151, 155,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6070, 0.3330, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 155, 129) }
```

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

```
.background{ background-color: rgb(151,  
155, 129) }
```

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