

Converting Colors

$Yxy(31.4203, 0.3221, 0.3604)$

Have a look what the booklet for
Yxy(31.4203, 0.3221, 0.3604)
contains.

Yxy(31.3030, 0.3222, 0.3609)	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(31.3030, 0.3222, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	929B87
RGB	146, 155, 135
RGB Percent	57%, 61%, 53%
CMY	0.4275, 0.3921, 0.4706
CMYK	0.06, 0.00, 0.13, 0.39
HSL	87°, 9%, 57%
HSV	87°, 13%, 61%
XYZ	27.9463, 31.3030, 27.4866
YIQ	150.0290, 1.0560, -8.1280

Conversions

Conversions Part 2

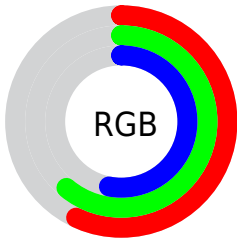
Format	Color
RYB	135, 155, 144
Decimal	9608071
CIELab	62.76, -7.01, 9.40
CIELCh	63, 11.726, 126.739
Yxy	31.3030, 0.3222, 0.3609
Android (android.graphics.Color)	4287798151 (0xFF929B87)
YUV	150.0290, -7.4093, -3.5334
Hunter-Lab	55.9491, -8.7509, 10.0364

Details

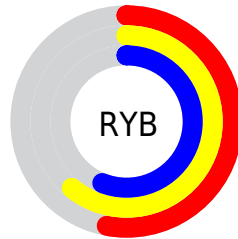
The Yxy color **31.3030, 0.3222, 0.3609** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.6221, 0.3023, 0.2969**, and the grayscale version is **30.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5111, 0.3206, 0.3541**, and **12.9894, 0.3249, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **30.2784, 0.3294, 0.3877**, and if you desaturate by 10%, it is **32.4330, 0.3148, 0.3359**.

Distribution



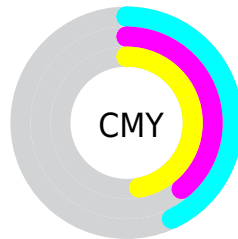
- Red (57%)
- Green (61%)
- Blue (53%)



- Red (53%)
- Yellow (61%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (39%)





- Cyan (43%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3030, 0.3222, 0.3609 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 31.3030, 0.3222, 0.3609 by changing the saturation by 10% instead.


 31.3030, 0.3222,
0.3609


 31.3030, 0.3222,
0.3609

307.9318, 0.3173,
0.3436


 20.8297, 0.3235,
0.3657


 61.7168, 0.3204,
0.3543

 12.9996, 0.3252,
0.3722


 82.4261, 0.3197,
0.3519

 7.4282, 0.3275,
0.3815


 107.3161, 0.3191,
0.3499

 3.7313, 0.3307,
0.3958

136.7713, 0.3186,
0.3483

 1.5244, 0.3359,
0.4208

171.1761, 0.3182,
0.3469

 0.3058, 0.2809,
0.7191

210.9149, 0.3179,

 0.0000, 0.0000,

0.3456

0.0000

256.3720, 0.3175,
0.3446

■ 31.3030, 0.3222,
0.3609

■ 31.3030, 0.3222,
0.3609

■ 30.2784, 0.3294,
0.3877

■ 32.4330, 0.3148,
0.3359

■ 29.3518, 0.3363,
0.4158

■ 33.6675, 0.3076,
0.3129

■ 28.5207, 0.3423,
0.4444

■ 35.0110, 0.3006,
0.2920

■ 27.7814, 0.3472,
0.4727

■ 36.4665, 0.2939,
0.2732

■ 27.1295, 0.3504,
0.4993

■ 38.0368, 0.2877,
0.2562

■ 26.5605, 0.3516,
0.5229

■ 39.7246, 0.2818,
0.2411

■ 26.0690, 0.3506,
0.5423

■ 41.5325, 0.2764,
0.2275

■ 25.6489, 0.3474,
0.5566

■ 43.2030, 0.2740,
0.2189

■ 25.3844, 0.3445,
0.5647

■ 44.1986, 0.2795,
0.2205

Harmonies

Analogous

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



31.3030, 0.3388, 0.3609



31.3030, 0.3222, 0.3609



31.3030, 0.3034, 0.3516

Triad

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



31.3030, 0.3222, 0.3609



31.3030, 0.2780, 0.3048



31.3030, 0.3384, 0.3218

Complementary

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



31.3030, 0.3222, 0.3609



25.6221, 0.3023, 0.2969

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.



31.3030, 0.3214, 0.3079



31.3030, 0.3222, 0.3609



31.3030, 0.2867, 0.2980

Square

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



31.3030, 0.3222, 0.3609



31.3030, 0.2782, 0.3185



31.3030, 0.3024, 0.2993



31.3030, 0.3485, 0.3378

Rectangle

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



31.3030, 0.3222, 0.3609



31.3030, 0.2921, 0.3415



31.3030, 0.3024, 0.2993



31.3030, 0.3333, 0.3167

Sweetspot

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



31.3044, 0.3222, 0.3609



57.8324, 0.3157, 0.3387



28.6643, 0.3337, 0.3432



13.0563, 0.3162, 0.3405



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.



31.3044, 0.3222, 0.3609



55.6029, 0.3239, 0.3671



30.4279, 0.3122, 0.3619



7.0844, 0.3195, 0.3514



20.4094, 0.3450, 0.5643



0.3267, 0.3769, 0.5390

Inverse Universe

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



25.6221, 0.3023, 0.2969



43.7474, 0.3001, 0.2906



26.5627, 0.3131, 0.2980



6.1558, 0.3055, 0.3065



2.9640, 0.1953, 0.0849



0.0655, 0.2440, 0.1118

Previews

White Background



This preview shows how the Yxy color 31.3030, 0.3222, 0.3609 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 31.3030, 0.3222, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

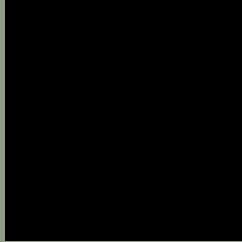
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

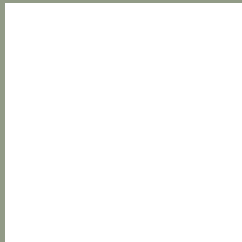
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3030, 0.3222, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 31.3030, 0.3222, 0.3609.



This preview shows how white text looks on a background with the Yxy color 31.3030, 0.3222, 0.3609.

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

31.3030, 0.3222, 0.3609

Protanopia

31.1976, 0.3385, 0.3568

Deuteranopia

31.1346, 0.3498, 0.3424



Tritanopia

31.2616, 0.3007, 0.3107

Trichromacy



Original Color

31.3030, 0.3222, 0.3609

Protanomaly

31.0477, 0.3320, 0.3572

Deuteranomaly

31.0590, 0.3402, 0.3488

Tritanomaly

31.1459, 0.3088, 0.3274

Monochromacy



Original Color

31.3030, 0.3222, 0.3609

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8904, 0.3162, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3030, 0.3222, 0.3609 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(146, 155, 135)` looks like.

```
.text, #text, p{  
    color:rgb(146, 155, 135)  
}
```

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(146, 155, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 155, 135) }
```

Border

The CSS property to change the border of an element to Yxy 31.3030, 0.3222, 0.3609 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(146, 155, 135) }
```

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

```
.border{ border-color:rgb(146, 155, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 155, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 155, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 155, 135); box-shadow:4px 4px 4px 4px rgb(146, 155, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3030, 0.3222, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 155, 135) }
```

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

```
.background{ background-color: rgb(146,  
155, 135) }
```

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