

Converting Colors

$Yxy(31.7103, 0.2929, 0.3105)$

Have a look what the booklet for
Yxy(31.7103, 0.2929, 0.3105)
contains.

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Color

Yxy(31.7937, 0.2925, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	909AA6
RGB	144, 154, 166
RGB Percent	56%, 60%, 65%
CMY	0.4352, 0.3961, 0.3491
CMYK	0.13, 0.07, 0.00, 0.35
HSL	213°, 11%, 61%
HSV	213°, 13%, 65%
XYZ	29.9409, 31.7937, 40.6276
YIQ	152.3780, -9.8120, 1.6120

Conversions

Conversions Part 2

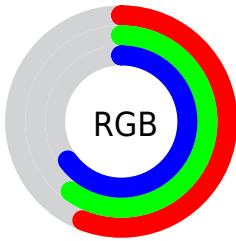
Format	Color
RYB	144, 151, 166
Decimal	9476774
CIELab	63.17, -1.05, -7.48
CIELCh	63, 7.555, 262.013
Yxy	31.7937, 0.2925, 0.3106
Android (android.graphics.Color)	4287666854 (0xFF909AA6)
YUV	152.3780, 6.7156, -7.3475
Hunter-Lab	56.3859, -3.8917, -3.2499

Details

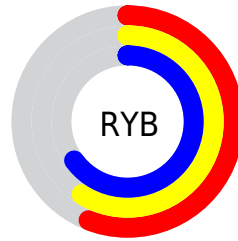
The Yxy color **31.7937, 0.2925, 0.3106** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8967, 0.3340, 0.3467**, and the grayscale version is **31.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3380, 0.2966, 0.3139**, and **13.2426, 0.2853, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **27.5313, 0.2765, 0.2949**, and if you desaturate by 10%, it is **36.5040, 0.3079, 0.3248**.

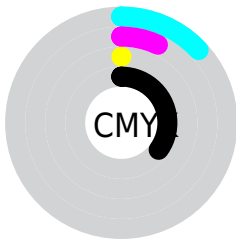
Distribution



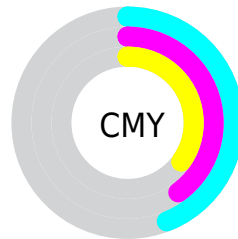
- Red (56%)
- Green (60%)
- Blue (65%)



- Red (56%)
- Yellow (59%)
- Blue (65%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (44%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7937, 0.2925, 0.3106 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 31.7937, 0.2925, 0.3106 by changing the saturation by 10% instead.

■ 31.7937, 0.2925,
0.3106

■ 31.7937, 0.2925,
0.3106

310.1784, 0.3032,
0.3204

■ 21.2040, 0.2896,
0.3079

■ 62.4875, 0.2965,
0.3143

■ 13.2732, 0.2858,
0.3044

■ 83.3604, 0.2980,
0.3157

■ 7.6169, 0.2804,
0.2994

108.4298, 0.2992,
0.3168

■ 3.8508, 0.2724,
0.2920

138.0802, 0.3003,
0.3177

■ 1.5905, 0.2591,
0.2795

172.6958, 0.3012,
0.3185

■ 0.3512, 0.1969,
0.2244

212.6611, 0.3019,

■ 0.0000, 0.0000,

0.3192

0.0000

258.3605, 0.3026,
0.3199

■ 31.7937, 0.2925,
0.3106

■ 31.7937, 0.2925,
0.3106

■ 27.5313, 0.2765,
0.2949

■ 36.5040, 0.3079,
0.3248

■ 23.6984, 0.2601,
0.2776

■ 41.6720, 0.3225,
0.3374

■ 20.2808, 0.2436,
0.2589

■ 47.3120, 0.3362,
0.3485

■ 17.2622, 0.2276,
0.2389

■ 53.4368, 0.3490,
0.3584

■ 14.6249, 0.2126,
0.2182

■ 60.0582, 0.3608,
0.3670

■ 12.3494, 0.1991,
0.1972

■ 67.1879, 0.3717,
0.3745

■ 10.4143, 0.1876,
0.1766

■ 73.8362, 0.3777,
0.3819

■ 8.7944, 0.1786,
0.1569

■ 78.6439, 0.3746,
0.3906

■ 7.8446, 0.1734,
0.1443

■ 83.7118, 0.3716,
0.3990

Harmonies

Analogous

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



31.7937, 0.2896, 0.3175



31.7937, 0.2925, 0.3106



31.7937, 0.3008, 0.3087

Triad

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



31.7937, 0.2925, 0.3106



31.7937, 0.3331, 0.3297



31.7937, 0.3127, 0.3469

Complementary

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



31.7937, 0.2925, 0.3106



33.8967, 0.3340, 0.3467

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.



31.7937, 0.3245, 0.3501



31.7937, 0.2925, 0.3106



31.7937, 0.3364, 0.3399

Square

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



31.7937, 0.2925, 0.3106



31.7937, 0.3242, 0.3196



31.7937, 0.3332, 0.3474



31.7937, 0.3011, 0.3386

Rectangle

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



31.7937, 0.2925, 0.3106



31.7937, 0.3083, 0.3104



31.7937, 0.3332, 0.3474



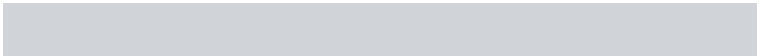
31.7937, 0.3168, 0.3486

Sweetspot

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



31.7950, 0.2925, 0.3106



65.5154, 0.3066, 0.3236



35.5891, 0.3013, 0.3446



14.5157, 0.3055, 0.3226



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.7950, 0.2925, 0.3106



55.2617, 0.2876, 0.3060



28.7011, 0.2928, 0.2950



7.8411, 0.2987, 0.3164



6.1754, 0.1739, 0.1459



0.2532, 0.1919, 0.2108

Inverse Universe

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



30.3901, 0.3261, 0.3143



52.2675, 0.3297, 0.3107



37.3077, 0.3313, 0.3610



7.5969, 0.3217, 0.3188



6.6945, 0.5112, 0.2590



0.1733, 0.4332, 0.2160

Previews

White Background



This preview shows how the Yxy color 31.7937, 0.2925, 0.3106 looks on a white background.

Color Contrast Check

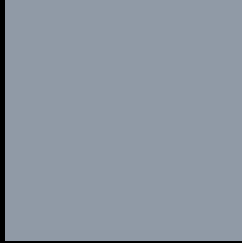
Large Text (above 18pt) WCAG AA × Fail

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 31.7937, 0.2925, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

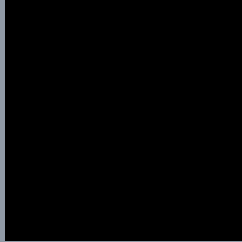
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

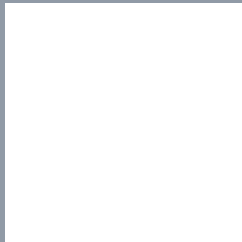
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7937, 0.2925, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 31.7937, 0.2925, 0.3106.



This preview shows how white text looks on a background with the Yxy color 31.7937, 0.2925, 0.3106.

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

31.7937, 0.2925, 0.3106

Protanopia

31.8485, 0.3009, 0.3094

Deuteranopia

31.8620, 0.3079, 0.3026



Tritanopia

31.7937, 0.2925, 0.3106

Trichromacy



Original Color

31.7937, 0.2925, 0.3106

Protanomaly

31.8886, 0.2980, 0.3108

Deuteranomaly

31.8918, 0.3020, 0.3052

Tritanomaly

31.7937, 0.2925, 0.3106

Monochromacy



Original Color

31.7937, 0.2925, 0.3106

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6063, 0.3051, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7937, 0.2925, 0.3106 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(144, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(144, 154, 166)  
}
```

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(144, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 154, 166) }
```

Border

The CSS property to change the border of an element to Yxy 31.7937, 0.2925, 0.3106 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(144, 154, 166) }
```

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

```
.border{ border-color:rgb(144, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(144, 154,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7937, 0.2925, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 154, 166) }
```

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

```
.background{ background-color: rgb(144,  
154, 166) }
```

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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