

Converting Colors

$Y_{xy}(31.0100, 0.3070, 0.3019)$

Have a look what the booklet for
Yxy(31.0100, 0.3070, 0.3019)
contains.

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Color

Yxy(30.9915, 0.3069, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	9F93A6
RGB	159, 147, 166
RGB Percent	62%, 58%, 65%
CMY	0.3766, 0.4235, 0.3490
CMYK	0.04, 0.11, 0.00, 0.35
HSL	278°, 10%, 61%
HSV	278°, 11%, 65%
XYZ	31.6095, 30.9915, 40.3950
YIQ	152.7540, 1.0530, 8.4530

Conversions

Conversions Part 2

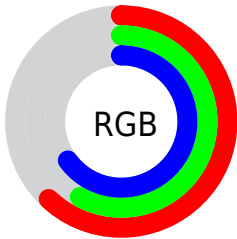
Format	Color
R _Y B	159, 147, 166
Decimal	10458022
CIE Lab	62.50, 8.05, -8.36
CIE LCh	63, 11.609, 313.906
Yxy	30.9915, 0.3069, 0.3009
Android (android.graphics.Color)	4288648102 (0xFF9F93A6)
YUV	152.7540, 6.5303, 5.4777
Hunter-Lab	55.6700, 3.9299, -4.0528

Details

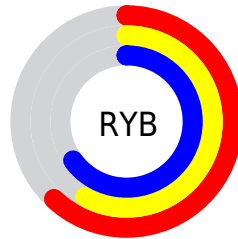
The Yxy color **30.9915, 0.3069, 0.3009** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2577, 0.3179, 0.3575**, and the grayscale version is **31.7124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2899, 0.3084, 0.3065**, and **12.7688, 0.3057, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **25.5827, 0.3008, 0.2747**, and if you desaturate by 10%, it is **37.1794, 0.3120, 0.3256**.

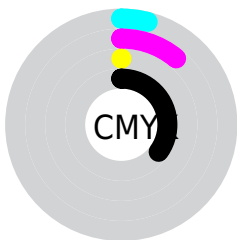
Distribution



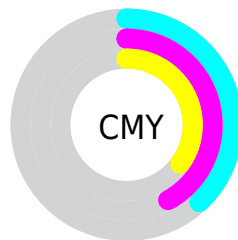
- Red (62%)
- Green (58%)
- Blue (65%)



- Red (62%)
- Yellow (58%)
- Blue (65%)



- Cyan (4%)
- Magenta (11%)
- Yellow (0%)
- Black (35%)



- Cyan (38%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9915, 0.3069, 0.3009 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 30.9915, 0.3069, 0.3009 by changing the saturation by 10% instead.

■ 30.9915, 0.3069,
0.3009

■ 30.9915, 0.3069,
0.3009

306.4992, 0.3101,
0.3157

■ 20.5924, 0.3060,
0.2970

■ 61.2267, 0.3081,
0.3064

■ 12.8264, 0.3047,
0.2918

■ 81.8315, 0.3086,
0.3085

■ 7.3091, 0.3030,
0.2846

106.6071, 0.3089,
0.3102

■ 3.6561, 0.3002,
0.2740

135.9377, 0.3093,
0.3116

■ 1.4831, 0.2952,
0.2568

170.2079, 0.3095,
0.3128

■ 0.2768, 0.2833,
0.1706

209.8019, 0.3097,

■ 0.0000, 0.0000,

0.3139

0.0000

255.1042, 0.3099,
0.3148

■ 30.9915, 0.3069,
0.3009

■ 30.9915, 0.3069,
0.3009

■ 25.5827, 0.3008,
0.2747

■ 37.1794, 0.3120,
0.3256

■ 20.9168, 0.2938,
0.2473

■ 44.1726, 0.3164,
0.3485

■ 16.9606, 0.2859,
0.2196

■ 52.0013, 0.3199,
0.3694

■ 13.6768, 0.2771,
0.1925

■ 60.6925, 0.3228,
0.3884

■ 11.0246, 0.2676,
0.1672

■ 70.2723, 0.3252,
0.4055

8.9586, 0.2577,
0.1448

80.7655, 0.3271,
0.4209

7.4272, 0.2478,
0.1265

86.8387, 0.3299,
0.4274

6.3694, 0.2382,
0.1129

87.7152, 0.3339,
0.4262

5.7226, 0.2304,
0.1043

88.6263, 0.3379,
0.4249

Harmonies

Analogous

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



30.9915, 0.2901, 0.2978



30.9915, 0.3069, 0.3009



30.9915, 0.3258, 0.3109

Triad

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



30.9915, 0.3069, 0.3009



30.9915, 0.3469, 0.3547



30.9915, 0.2847, 0.3315

Complementary

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



30.9915, 0.3069, 0.3009



36.2577, 0.3179, 0.3575

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.



30.9915, 0.2992, 0.3481



30.9915, 0.3069, 0.3009



30.9915, 0.3352, 0.3615

Square

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



30.9915, 0.3069, 0.3009



30.9915, 0.3492, 0.3415



30.9915, 0.3177, 0.3593



30.9915, 0.2776, 0.3148

Rectangle

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



30.9915, 0.3069, 0.3009



30.9915, 0.3369, 0.3204



30.9915, 0.3177, 0.3593



30.9915, 0.2888, 0.3374

Sweetspot

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



30.9928, 0.3069, 0.3009



65.5593, 0.3113, 0.3217



32.1667, 0.2953, 0.3112



14.4648, 0.3109, 0.3198



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.



30.9928, 0.3069, 0.3009



53.3351, 0.3053, 0.2936



31.6528, 0.3161, 0.3046



7.5255, 0.3081, 0.3063



4.4644, 0.2312, 0.1047



0.1363, 0.2617, 0.1215

Inverse Universe

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



31.3150, 0.3256, 0.3187



54.0637, 0.3293, 0.3160



35.6566, 0.3095, 0.3546



7.5866, 0.3230, 0.3207



6.5610, 0.5452, 0.2777



0.1695, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 30.9915, 0.3069, 0.3009 looks on a white background.

Color Contrast Check

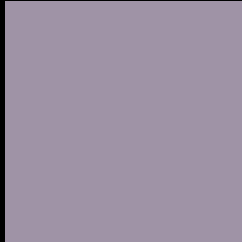
Large Text (above 18pt) WCAG AA × Fail

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 30.9915, 0.3069, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

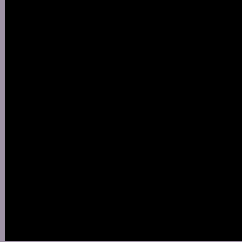
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9915, 0.3069, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 30.9915, 0.3069, 0.3009.



This preview shows how white text looks on a background with the Yxy color 30.9915, 0.3069, 0.3009.

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

30.9915, 0.3069, 0.3009

Protanopia

31.0294, 0.2953, 0.3017

Deuteranopia

30.9915, 0.3069, 0.3009



Tritanopia

30.9870, 0.3115, 0.3110

Trichromacy



Original Color

30.9915, 0.3069, 0.3009

Protanomaly

31.0572, 0.3001, 0.3020

Deuteranomaly

30.9915, 0.3069, 0.3009

Tritanomaly

31.0575, 0.3096, 0.3081

Monochromacy



Original Color

30.9915, 0.3069, 0.3009

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.5704, 0.3102, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9915, 0.3069, 0.3009 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, 147, 166)` looks like.

```
.text, #text, p{  
    color:rgb(159, 147, 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(159, 147, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 147, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.9915, 0.3069, 0.3009 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, 147, 166) }
```

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

```
.border{ border-color:rgb(159, 147, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 147, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 147, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 147, 166);  
box-shadow:4px 4px 4px 4px rgb(159, 147,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9915, 0.3069, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 147, 166) }
```

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

```
.background{ background-color: rgb(159,  
147, 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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