

Converting Colors

$Y_{xy}(31.4090, 0.2965, 0.2862)$

Have a look what the booklet for
Yxy(31.4090, 0.2965, 0.2862)
contains.

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Color

Yxy(31.3109, 0.2960, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	9E93B1
RGB	158, 147, 177
RGB Percent	62%, 58%, 69%
CMY	0.3803, 0.4235, 0.3059
CMYK	0.11, 0.17, 0.00, 0.31
HSL	262°, 16%, 64%
HSV	262°, 17%, 69%
XYZ	32.4738, 31.3109, 45.9241
YIQ	153.7090, -3.0740, 11.6620

Conversions

Conversions Part 2

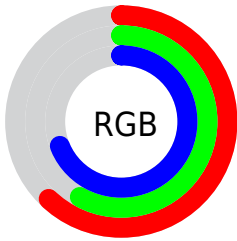
Format	Color
R_{YB}	158, 147, 177
Decimal	10392497
CIE _{Lab}	62.77, 10.02, -14.18
CIE _{LCh}	63, 17.363, 305.251
Yxy	31.3109, 0.2960, 0.2854
Android (android.graphics.Color)	4288582577 (0xFF9E93B1)
YUV	153.7090, 11.4825, 3.7632
Hunter-Lab	55.9561, 5.6682, -9.4910

Details

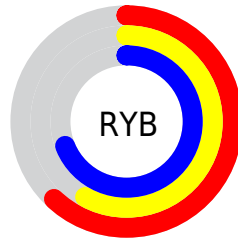
The Yxy color **31.3109, 0.2960, 0.2854** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.6516, 0.3275, 0.3717**, and the grayscale version is **32.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8026, 0.2994, 0.2935**, and **12.8851, 0.2899, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **25.1410, 0.2841, 0.2567**, and if you desaturate by 10%, it is **38.4337, 0.3064, 0.3120**.

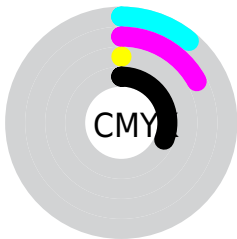
Distribution



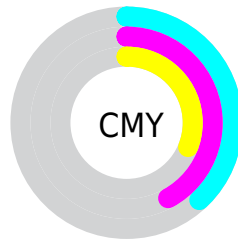
- Red (62%)
- Green (58%)
- Blue (69%)



- Red (62%)
- Yellow (58%)
- Blue (69%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3109, 0.2960, 0.2854 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 31.3109, 0.2960, 0.2854 by changing the saturation by 10% instead.

■ 31.3109, 0.2960,
0.2854

■ 31.3109, 0.2960,
0.2854

307.9681, 0.3051,
0.3081

■ 20.8357, 0.2935,
0.2795

■ 61.7292, 0.2995,
0.2938

■ 13.0040, 0.2901,
0.2717

■ 82.4411, 0.3007,
0.2969

■ 7.4313, 0.2853,
0.2610

107.3341, 0.3018,
0.2995

■ 3.7332, 0.2780,
0.2456

136.7925, 0.3026,
0.3018

■ 1.5255, 0.2658,
0.2215

171.2006, 0.3034,
0.3037

■ 0.3066, 0.2420,
0.1384

210.9431, 0.3040,

■ 0.0000, 0.0000,

0.3053

0.0000

256.4041, 0.3046,
0.3068

■ 31.3109, 0.2960,
0.2854

■ 31.3109, 0.2960,
0.2854

■ 25.1410, 0.2841,
0.2567

■ 38.4337, 0.3064,
0.3120

■ 19.8787, 0.2708,
0.2263

■ 46.5441, 0.3153,
0.3361

■ 15.4808, 0.2561,
0.1952

■ 55.6801, 0.3229,
0.3578

■ 11.8991, 0.2405,
0.1647

■ 65.8764, 0.3293,
0.3771

■ 9.0804, 0.2247,
0.1363

■ 77.1659, 0.3347,
0.3943

6.9649, 0.2093,
0.1119

89.5803, 0.3393,
0.4095

5.4835, 0.1952,
0.0929

92.5877, 0.3464,
0.4091

4.5389, 0.1831,
0.0798

94.5673, 0.3540,
0.4071

4.3015, 0.1797,
0.0764

95.9541, 0.3591,
0.4057

Harmonies

Analogous

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



31.3109, 0.2735, 0.2838



31.3109, 0.2960, 0.2854



31.3109, 0.3239, 0.2974

Triad

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



31.3109, 0.2960, 0.2854



31.3109, 0.3663, 0.3617



31.3109, 0.2764, 0.3401

Complementary

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



31.3109, 0.2960, 0.2854



41.6516, 0.3275, 0.3717

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.



31.3109, 0.3000, 0.3640



31.3109, 0.2960, 0.2854



31.3109, 0.3522, 0.3758

Square

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



31.3109, 0.2960, 0.2854



31.3109, 0.3655, 0.3402



31.3109, 0.3277, 0.3772



31.3109, 0.2626, 0.3140

Rectangle

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



31.3109, 0.2960, 0.2854



31.3109, 0.3419, 0.3099



31.3109, 0.3277, 0.3772



31.3109, 0.2834, 0.3488

Sweetspot

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



31.3122, 0.2960, 0.2854



71.4093, 0.3081, 0.3166



36.6475, 0.2868, 0.3128



15.2693, 0.3075, 0.3149



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.3122, 0.2960, 0.2854



52.1461, 0.2921, 0.2759



32.9238, 0.3107, 0.2873



8.3773, 0.3040, 0.3059



3.1487, 0.1808, 0.0770



0.1329, 0.2147, 0.0956

Inverse Universe

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



32.9642, 0.3253, 0.3025



55.6401, 0.3283, 0.2970



40.1277, 0.3141, 0.3735



8.5926, 0.3192, 0.3147



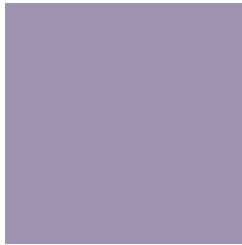
7.6302, 0.4389, 0.2191



0.2509, 0.3982, 0.1967

Previews

White Background



This preview shows how the Yxy color 31.3109, 0.2960, 0.2854 looks on a white background.

Color Contrast Check

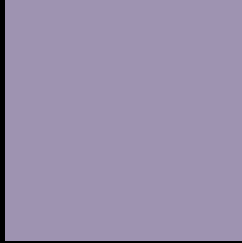
Large Text (above 18pt) WCAG AA × Fail

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 31.3109, 0.2960, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

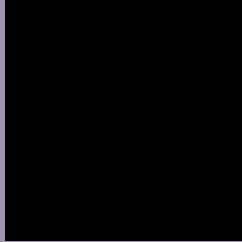
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3109, 0.2960, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 31.3109, 0.2960, 0.2854.



This preview shows how white text looks on a background with the Yxy color 31.3109, 0.2960, 0.2854.

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

31.3109, 0.2960, 0.2854

Protanopia

31.4989, 0.2832, 0.2873

Deuteranopia

31.3227, 0.2931, 0.2865



Tritanopia

31.3545, 0.3075, 0.3124

Trichromacy



Original Color

31.3109, 0.2960, 0.2854

Protanomaly

31.5111, 0.2877, 0.2876

Deuteranomaly

31.4221, 0.2941, 0.2866

Tritanomaly

31.3528, 0.3030, 0.3022

Monochromacy



Original Color

31.3109, 0.2960, 0.2854

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7104, 0.3065, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3109, 0.2960, 0.2854 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(158, 147, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 177)  
}
```

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(158, 147, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.3109, 0.2960, 0.2854 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(158, 147, 177) }
```

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

```
.border{ border-color:rgb(158, 147, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 147, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 147, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 147, 177); box-shadow:4px 4px 4px 4px rgb(158, 147, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3109, 0.2960, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 177) }
```

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

```
.background{ background-color: rgb(158,  
147, 177) }
```

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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