

Converting Colors

$Y_{xy}(23.8966, 0.3068, 0.2799)$

Have a look what the booklet for
Yxy(23.8966, 0.3068, 0.2799)
contains.

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Color

Yxy(23.8401, 0.3070, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	967E9D
RGB	150, 126, 157
RGB Percent	59%, 49%, 62%
CMY	0.4119, 0.5058, 0.3843
CMYK	0.04, 0.20, 0.00, 0.38
HSL	286°, 14%, 55%
HSV	286°, 20%, 62%
XYZ	26.1203, 23.8401, 35.1220
YIQ	136.7100, 4.3530, 14.7290

Conversions

Conversions Part 2

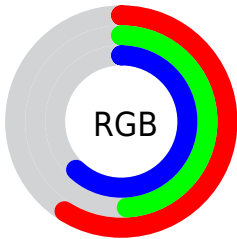
Format	Color
R_{YB}	150, 126, 157
Decimal	9862813
CIE _{Lab}	55.93, 15.04, -13.15
CIE _{LCh}	56, 19.981, 318.841
Yxy	23.8401, 0.3070, 0.2802
Android (android.graphics.Color)	4288052893 (0xFF967E9D)
YUV	136.7100, 10.0030, 11.6553
Hunter-Lab	48.8263, 10.0449, -8.4704

Details

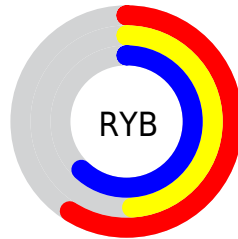
The Yxy color $23.8401, 0.3070, 0.2802$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $30.6098, 0.3171, 0.3806$, and the grayscale version is $24.8611, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8310, 0.3079, 0.2900$, and $9.0010, 0.3039, 0.2630$ is the 20% darker color. If you saturate the color by 10%, you get $19.8031, 0.3032, 0.2542$, and if you desaturate by 10%, it is $28.5196, 0.3102, 0.3055$.

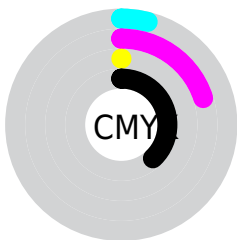
Distribution



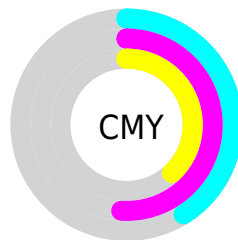
- Red (59%)
- Green (49%)
- Blue (62%)



- Red (59%)
- Yellow (49%)
- Blue (62%)



- Cyan (4%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)





- Cyan (41%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8401, 0.3070, 0.2802 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 23.8401, 0.3070, 0.2802 by changing the saturation by 10% instead.


 23.8401, 0.3070,
0.2802


 23.8401, 0.3070,
0.2802


272.0111, 0.3105,
0.3064

 15.2150, 0.3059,
0.2730


 49.7691, 0.3085,
0.2902

 8.9705, 0.3042,
0.2633


 67.8419, 0.3089,
0.2938

 4.7219, 0.3016,
0.2496


 89.8327, 0.3093,
0.2968

 2.0850, 0.2970,
0.2289

116.1260, 0.3097,
0.2993

 0.6562, 0.2893,
0.1898

147.1060, 0.3099,
0.3015

 0.0000, 0.0000,
0.0000

183.1573, 0.3101,

0.3034

224.6642, 0.3103,
0.3050

■ 23.8401, 0.3070,
0.2802

■ 23.8401, 0.3070,
0.2802

■ 19.8031, 0.3032,
0.2542

■ 28.5196, 0.3102,
0.3055

■ 16.3760, 0.2989,
0.2282

■ 33.8660, 0.3128,
0.3296

■ 13.5282, 0.2940,
0.2032

■ 39.9061, 0.3149,
0.3522

■ 11.2251, 0.2886,
0.1801

■ 46.6645, 0.3166,
0.3731

■ 9.4283, 0.2828,
0.1600

■ 54.1643, 0.3179,
0.3922

8.0943, 0.2768,
0.1437

62.4280, 0.3189,
0.4096

7.1723, 0.2708,
0.1318

71.4766, 0.3196,
0.4253

6.5440, 0.2650,
0.1235

81.3307, 0.3201,
0.4395

6.5282, 0.2648,
0.1232

83.9007, 0.3219,
0.4418

Harmonies

Analogous

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



23.8401, 0.2749, 0.2719



23.8401, 0.3070, 0.2802



23.8401, 0.3424, 0.2997

Triad

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



23.8401, 0.3070, 0.2802



23.8401, 0.3742, 0.3793



23.8401, 0.2576, 0.3274

Complementary

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



23.8401, 0.3070, 0.2802



30.6098, 0.3171, 0.3806

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.



23.8401, 0.2819, 0.3608



23.8401, 0.3070, 0.2802



23.8401, 0.3492, 0.3914

Square

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



23.8401, 0.3070, 0.2802



23.8401, 0.3824, 0.3552



23.8401, 0.3153, 0.3851



23.8401, 0.2477, 0.2968

Rectangle

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



23.8401, 0.3070, 0.2802



23.8401, 0.3627, 0.3171



23.8401, 0.3153, 0.3851



23.8401, 0.2643, 0.3388

Sweetspot

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



23.8411, 0.3070, 0.2802



54.4023, 0.3112, 0.3144



23.7129, 0.2816, 0.2889



11.8496, 0.3110, 0.3130



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.



23.8411, 0.3070, 0.2802



39.1398, 0.3053, 0.2680



24.2548, 0.3240, 0.2936



6.6787, 0.3103, 0.3067



5.3192, 0.2652, 0.1235



0.1123, 0.2890, 0.1366

Inverse Universe

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



23.7879, 0.3421, 0.3179



39.0517, 0.3511, 0.3150



30.2790, 0.3030, 0.3673



6.6696, 0.3250, 0.3239



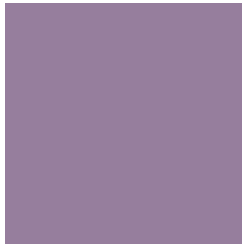
5.9282, 0.5953, 0.3053



0.1117, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 23.8401, 0.3070, 0.2802 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8401, 0.3070, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

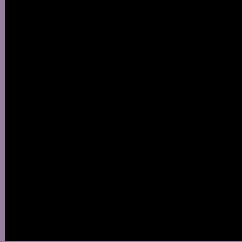
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8401, 0.3070, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 23.8401, 0.3070, 0.2802.



This preview shows how white text looks on a background with the Yxy color 23.8401, 0.3070, 0.2802.

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

23.8401, 0.3070, 0.2802

Protanopia

23.9729, 0.2790, 0.2809

Deuteranopia

23.9513, 0.2938, 0.2880



Tritanopia

23.7676, 0.3228, 0.3126

Trichromacy



Original Color

23.8401, 0.3070, 0.2802

Protanomaly

23.7376, 0.2888, 0.2800

Deuteranomaly

23.8516, 0.2991, 0.2853

Tritanomaly

23.8096, 0.3164, 0.2999

Monochromacy



Original Color

23.8401, 0.3070, 0.2802

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.5395, 0.3113, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8401, 0.3070, 0.2802 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(150, 126, 157)` looks like.

```
.text, #text, p{  
    color:rgb(150, 126, 157)  
}
```

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(150, 126, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 126, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.8401, 0.3070, 0.2802 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(150, 126, 157) }
```

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

```
.border{ border-color:rgb(150, 126, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 126, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 126, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 126, 157);  
box-shadow:4px 4px 4px 4px rgb(150, 126,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8401, 0.3070, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 126, 157) }
```

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

```
.background{ background-color: rgb(150,  
126, 157) }
```

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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