

Converting Colors

$Y_{xy}(23.8504, 0.3026, 0.2798)$

Have a look what the booklet for
Yxy(23.8504, 0.3026, 0.2798)
contains.

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Color

Yxy(23.8504, 0.3026, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	937F9E
RGB	147, 127, 158
RGB Percent	58%, 50%, 62%
CMY	0.4235, 0.5019, 0.3803
CMYK	0.07, 0.20, 0.00, 0.38
HSL	279°, 14%, 56%
HSV	279°, 20%, 62%
XYZ	25.7939, 23.8504, 35.5966
YIQ	136.5140, 1.9690, 13.8810

Conversions

Conversions Part 2

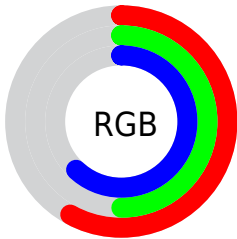
Format	Color
R_{YB}	147, 127, 158
Decimal	9666462
CIE _{Lab}	55.94, 13.64, -13.75
CIE _{LCh}	56, 19.365, 314.773
Yxy	23.8504, 0.3026, 0.2798
Android (android.graphics.Color)	4287856542 (0xFF937F9E)
YUV	136.5140, 10.5926, 9.1962
Hunter-Lab	48.8369, 8.8128, -9.0299

Details

The Yxy color $23.8504, 0.3026, 0.2798$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $31.3946, 0.3210, 0.3797$, and the grayscale version is $24.7829, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8641, 0.3046, 0.2897$, and $8.9971, 0.2974, 0.2622$ is the 20% darker color. If you saturate the color by 10%, you get $19.5786, 0.2961, 0.2529$, and if you desaturate by 10%, it is $28.7896, 0.3082, 0.3056$.

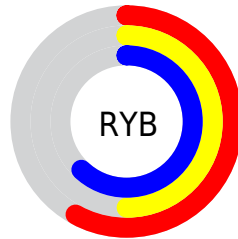
Distribution



Red (58%)

Green (50%)

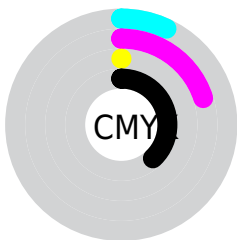
Blue (62%)



Red (58%)

Yellow (50%)

Blue (62%)

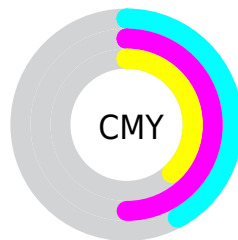


Cyan (7%)

Magenta (20%)

Yellow (0%)

Black (38%)



Cyan (42%)


Magenta (50%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8504, 0.3026, 0.2798 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 23.8504, 0.3026, 0.2798 by changing the saturation by 10% instead.


 23.8504, 0.3026,
0.2798


 23.8504, 0.3026,
0.2798


272.0633, 0.3085,
0.3063

 15.2227, 0.3008,
0.2725


 49.7860, 0.3050,
0.2899

 8.9758, 0.2982,
0.2627


 67.8626, 0.3058,
0.2935

 4.7254, 0.2943,
0.2489

 89.8577, 0.3065,
0.2966

 2.0871, 0.2877,
0.2280

116.1556, 0.3070,
0.2991

 0.6573, 0.2762,
0.1885

147.1407, 0.3075,
0.3013

 0.0000, 0.0000,
0.0000

183.1974, 0.3079,

0.3032

224.7101, 0.3082,
0.3048

■ 23.8504, 0.3026,
0.2798

■ 23.8504, 0.3026,
0.2798

■ 19.5786, 0.2961,
0.2529

■ 28.7896, 0.3082,
0.3056

■ 15.9412, 0.2887,
0.2254

■ 34.4214, 0.3129,
0.3299

■ 12.9066, 0.2805,
0.1985

■ 40.7732, 0.3168,
0.3523

■ 10.4394, 0.2716,
0.1730

■ 47.8703, 0.3200,
0.3729

■ 8.5003, 0.2623,
0.1503

■ 55.7364, 0.3227,
0.3915

7.0451, 0.2528,
0.1315

64.3944, 0.3248,
0.4083

6.0217, 0.2435,
0.1172

73.8661, 0.3265,
0.4235

5.3127, 0.2346,
0.1068

84.1726, 0.3279,
0.4371

5.2875, 0.2343,
0.1064

85.9277, 0.3312,
0.4372

Harmonies

Analogous

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



23.8504, 0.2725, 0.2735



23.8504, 0.3026, 0.2798



23.8504, 0.3370, 0.2975

Triad

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



23.8504, 0.3026, 0.2798



23.8504, 0.3745, 0.3752



23.8504, 0.2617, 0.3319

Complementary

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



23.8504, 0.3026, 0.2798



31.3946, 0.3210, 0.3797

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.



23.8504, 0.2869, 0.3638



23.8504, 0.3026, 0.2798



23.8504, 0.3521, 0.3888

Square

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



23.8504, 0.3026, 0.2798



23.8504, 0.3798, 0.3508



23.8504, 0.3199, 0.3852



23.8504, 0.2500, 0.3013

Rectangle

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



23.8504, 0.3026, 0.2798



23.8504, 0.3575, 0.3139



23.8504, 0.3199, 0.3852



23.8504, 0.2688, 0.3430

Sweetspot

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



23.8514, 0.3026, 0.2798



55.7138, 0.3099, 0.3143



25.2653, 0.2822, 0.2962



12.4248, 0.3096, 0.3128



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.8514, 0.3026, 0.2798



39.4012, 0.2996, 0.2669



24.7787, 0.3194, 0.2876



6.6366, 0.3084, 0.3066



4.2567, 0.2350, 0.1068



0.0990, 0.2709, 0.1266

Inverse Universe

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



24.2852, 0.3373, 0.3117



40.3860, 0.3449, 0.3071



30.6123, 0.3067, 0.3742



6.6831, 0.3231, 0.3211



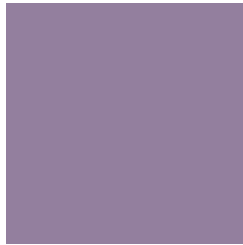
6.0583, 0.5506, 0.2807



0.1160, 0.4508, 0.2257

Previews

White Background



This preview shows how the Yxy color 23.8504, 0.3026, 0.2798 looks on a white background.

Color Contrast Check

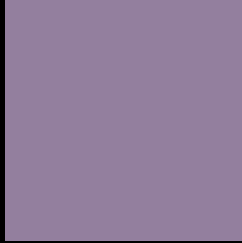
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8504, 0.3026, 0.2798 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 23.8504, 0.3026, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 23.8504, 0.3026, 0.2798.



This preview shows how white text looks on a background with the Yxy color 23.8504, 0.3026, 0.2798.

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

23.8504, 0.3026, 0.2798

Protanopia

23.9729, 0.2790, 0.2809

Deuteranopia

23.9012, 0.2917, 0.2863



Tritanopia

23.7880, 0.3181, 0.3125

Trichromacy



Original Color

23.8504, 0.3026, 0.2798

Protanomaly

23.9567, 0.2869, 0.2800

Deuteranomaly

23.9750, 0.2960, 0.2852

Tritanomaly

23.8268, 0.3118, 0.2996

Monochromacy



Original Color

23.8504, 0.3026, 0.2798

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4821, 0.3092, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8504, 0.3026, 0.2798 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(147, 127, 158)` looks like.

```
.text, #text, p{  
    color:rgb(147, 127, 158)  
}
```

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(147, 127, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 127, 158) }
```

Border

The CSS property to change the border of an element to Yxy 23.8504, 0.3026, 0.2798 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(147, 127, 158) }
```

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

```
.border{ border-color:rgb(147, 127, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 127, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 127, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 127, 158);  
box-shadow:4px 4px 4px 4px rgb(147, 127,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8504, 0.3026, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 127, 158) }
```

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

```
.background{ background-color: rgb(147,  
127, 158) }
```

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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