

Converting Colors

$Y_{xy}(25.0984, 0.3011, 0.2697)$

Have a look what the booklet for
Yxy(25.0984, 0.3011, 0.2697)
contains.

Yxy(25.0984, 0.3011, 0.2697)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.0984, 0.3011, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	9A80A7
RGB	154, 128, 167
RGB Percent	60%, 50%, 65%
CMY	0.3961, 0.4980, 0.3450
CMYK	0.08, 0.23, 0.00, 0.34
HSL	280°, 18%, 58%
HSV	280°, 23%, 66%
XYZ	28.0205, 25.0984, 39.9415
YIQ	140.2200, 2.9770, 17.6410

Conversions

Conversions Part 2

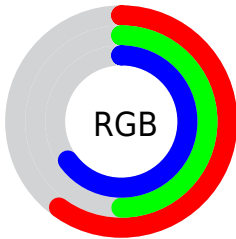
Format	Color
RYB	154, 128, 167
Decimal	10125479
CIELab	57.17, 17.38, -17.01
CIELCh	57, 24.321, 315.613
Yxy	25.0984, 0.3011, 0.2697
Android (android.graphics.Color)	4288315559 (0xFF9A80A7)
YUV	140.2200, 13.2025, 12.0851
Hunter-Lab	50.0983, 12.1649, -12.2009

Details

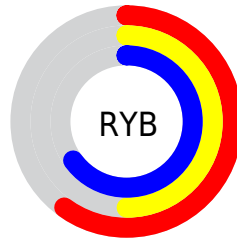
The Yxy color **25.0984, 0.3011, 0.2697** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.8748, 0.3218, 0.3908**, and the grayscale version is **26.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8770, 0.3043, 0.2819**, and **9.6545, 0.2953, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **20.5595, 0.2947, 0.2425**, and if you desaturate by 10%, it is **30.3822, 0.3066, 0.2960**.

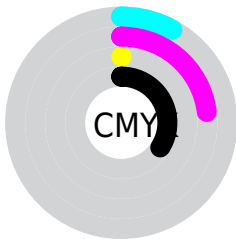
Distribution



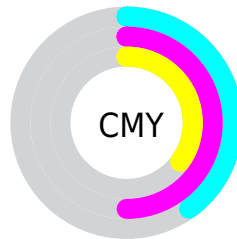
- Red (60%)
- Green (50%)
- Blue (65%)



- Red (60%)
- Yellow (50%)
- Blue (65%)



- Cyan (8%)
- Magenta (23%)
- Yellow (0%)
- Black (34%)





- Cyan (40%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0984, 0.3011, 0.2697 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 25.0984, 0.3011, 0.2697 by changing the saturation by 10% instead.


 25.0984, 0.3011,
0.2697


 25.0984, 0.3011,
0.2697


278.3276, 0.3079,
0.3011


 16.1504, 0.2990,
0.2613


 51.8168, 0.3039,
0.2815

 9.6306, 0.2960,
0.2501


 70.3560, 0.3048,
0.2858

 5.1547, 0.2916,
0.2347


 92.8610, 0.3056,
0.2894

 2.3383, 0.2841,
0.2119

119.7163, 0.3062,
0.2925

 0.7939, 0.2703,
0.1750

151.3062, 0.3067,
0.2951

 0.0000, 0.1299,
0.0000

188.0151, 0.3072,

 0.0000, 0.0000,

0.2974

0.0000

230.2275, 0.3076,
0.2993

■ 25.0984, 0.3011,
0.2697

■ 25.0984, 0.3011,
0.2697

■ 20.5595, 0.2947,
0.2425

■ 30.3822, 0.3066,
0.2960

■ 16.7269, 0.2875,
0.2153

■ 36.4408, 0.3113,
0.3210

■ 13.5632, 0.2794,
0.1890

■ 43.3061, 0.3152,
0.3442

■ 11.0265, 0.2709,
0.1648

■ 51.0074, 0.3185,
0.3656

■ 9.0698, 0.2619,
0.1439

■ 59.5726, 0.3211,
0.3851

7.6391, 0.2530,
0.1271

69.0280, 0.3232,
0.4027

6.6702, 0.2443,
0.1151

79.3991, 0.3249,
0.4186

6.1831, 0.2387,
0.1089

86.4064, 0.3271,
0.4270

87.1826, 0.3307,
0.4259

Harmonies

Analogous

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



25.0984, 0.2642, 0.2614



25.0984, 0.3011, 0.2697



25.0984, 0.3437, 0.2913

Triad

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



25.0984, 0.3011, 0.2697



25.0984, 0.3882, 0.3858



25.0984, 0.2496, 0.3310

Complementary

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



25.0984, 0.3011, 0.2697



34.8748, 0.3218, 0.3908

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.



25.0984, 0.2796, 0.3714



25.0984, 0.3011, 0.2697



25.0984, 0.3598, 0.4031

Square

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



25.0984, 0.3011, 0.2697



25.0984, 0.3959, 0.3558



25.0984, 0.3199, 0.3989



25.0984, 0.2361, 0.2934

Rectangle

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



25.0984, 0.3011, 0.2697



25.0984, 0.3691, 0.3111



25.0984, 0.3199, 0.3989



25.0984, 0.2580, 0.3449

Sweetspot

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



25.0995, 0.3011, 0.2697



60.9890, 0.3096, 0.3118



26.6271, 0.2757, 0.2879



13.5102, 0.3094, 0.3104



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.



25.0995, 0.3011, 0.2697



40.5915, 0.2979, 0.2558



26.2381, 0.3216, 0.2802



7.5391, 0.3086, 0.3064



4.7570, 0.2395, 0.1093



0.1420, 0.2675, 0.1247

Inverse Universe

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



25.5833, 0.3442, 0.3093



41.6589, 0.3534, 0.3047



33.9558, 0.3049, 0.3832



7.5821, 0.3235, 0.3215



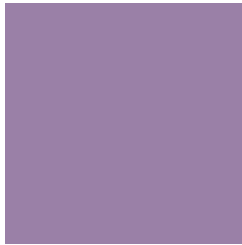
6.5121, 0.5593, 0.2855



0.1679, 0.4688, 0.2356

Previews

White Background



This preview shows how the Yxy color 25.0984, 0.3011, 0.2697 looks on a white background.

Color Contrast Check

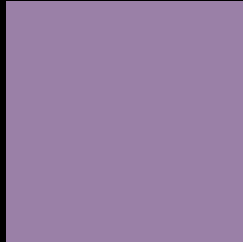
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0984, 0.3011, 0.2697 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 25.0984, 0.3011, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 25.0984, 0.3011, 0.2697.



This preview shows how white text looks on a background with the Yxy color 25.0984, 0.3011, 0.2697.

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

25.0984, 0.3011, 0.2697

Protanopia

25.2146, 0.2699, 0.2696

Deuteranopia

25.1217, 0.2845, 0.2778



Tritanopia

24.9697, 0.3215, 0.3113

Trichromacy



Original Color

25.0984, 0.3011, 0.2697

Protanomaly

25.0337, 0.2799, 0.2690

Deuteranomaly

25.0953, 0.2905, 0.2755

Tritanomaly

25.0789, 0.3131, 0.2958

Monochromacy



Original Color

25.0984, 0.3011, 0.2697

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.8301, 0.3083, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0984, 0.3011, 0.2697 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(154, 128, 167)` looks like.

```
.text, #text, p{  
    color:rgb(154, 128, 167)  
}
```

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(154, 128, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 128, 167) }
```

Border

The CSS property to change the border of an element to Yxy 25.0984, 0.3011, 0.2697 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(154, 128, 167) }
```

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

```
.border{ border-color:rgb(154, 128, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 128, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 128, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 128, 167);  
box-shadow:4px 4px 4px 4px rgb(154, 128,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0984, 0.3011, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 128, 167) }
```

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

```
.background{ background-color: rgb(154,  
128, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor