

Converting Colors

$Y_{xy}(25.9319, 0.2990, 0.2728)$

Have a look what the booklet for
Yxy(25.9319, 0.2990, 0.2728)
contains.

Yxy(25.8321, 0.2991, 0.2728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.8321, 0.2991, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	9983A8
RGB	153, 131, 168
RGB Percent	60%, 51%, 66%
CMY	0.3999, 0.4863, 0.3412
CMYK	0.09, 0.22, 0.00, 0.34
HSL	276°, 18%, 59%
HSV	276°, 22%, 66%
XYZ	28.3225, 25.8321, 40.5378
YIQ	141.7960, 1.2350, 16.1710

Conversions

Conversions Part 2

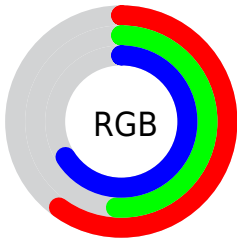
Format	Color
RYB	153, 131, 168
Decimal	10060712
CIELab	57.88, 15.53, -16.50
CIELCh	58, 22.661, 313.255
Yxy	25.8321, 0.2991, 0.2728
Android (android.graphics.Color)	4288250792 (0xFF9983A8)
YUV	141.7960, 12.9186, 9.8259
Hunter-Lab	50.8253, 10.5253, -11.7115

Details

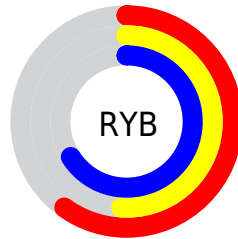
The Yxy color **25.8321, 0.2991, 0.2728** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.7529, 0.3238, 0.3865**, and the grayscale version is **26.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0186, 0.3027, 0.2842**, and **9.9706, 0.2939, 0.2532** is the 20% darker color. If you saturate the color by 10%, you get **21.0370, 0.2913, 0.2451**, and if you desaturate by 10%, it is **31.3988, 0.3059, 0.2993**.

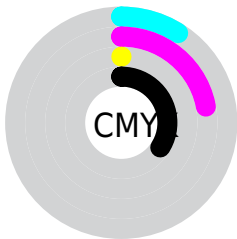
Distribution



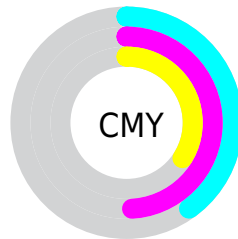
- Red (60%)
- Green (51%)
- Blue (66%)



- Red (60%)
- Yellow (51%)
- Blue (66%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)
- Black (34%)





- Cyan (40%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8321, 0.2991, 0.2728 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 25.8321, 0.2991, 0.2728 by changing the saturation by 10% instead.


 25.8321, 0.2991,
0.2728


 25.8321, 0.2991,
0.2728


281.9569, 0.3069,
0.3025


 16.6981, 0.2968,
0.2648


 53.0040, 0.3022,
0.2840

 10.0195, 0.2935,
0.2543


 71.8106, 0.3033,
0.2881

 5.4119, 0.2886,
0.2397


 94.6102, 0.3042,
0.2915

 2.4909, 0.2808,
0.2181

121.7872, 0.3049,
0.2944

 0.8721, 0.2662,
0.1837

153.7260, 0.3055,
0.2968

 0.0000, 0.1478,
0.0000

190.8109, 0.3061,

 0.0000, 0.0000,

0.2990

0.0000

233.4264, 0.3065,
0.3009

■ 25.8321, 0.2991,
0.2728

■ 25.8321, 0.2991,
0.2728

■ 21.0370, 0.2913,
0.2451

■ 31.3988, 0.3059,
0.2993

■ 16.9745, 0.2824,
0.2170

■ 37.7674, 0.3117,
0.3242

■ 13.6068, 0.2727,
0.1894

■ 44.9703, 0.3165,
0.3472

■ 10.8915, 0.2623,
0.1636

■ 53.0372, 0.3206,
0.3681

■ 8.7815, 0.2515,
0.1408

■ 61.9965, 0.3239,
0.3871

7.2229, 0.2408,
0.1221

71.8750, 0.3266,
0.4042

6.1518, 0.2305,
0.1083

82.6986, 0.3288,
0.4196

5.5339, 0.2227,
0.1000

87.6770, 0.3323,
0.4242

88.6811, 0.3367,
0.4228

Harmonies

Analogous

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



25.8321, 0.2657, 0.2663



25.8321, 0.2991, 0.2728



25.8321, 0.3384, 0.2921

Triad

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



25.8321, 0.2991, 0.2728



25.8321, 0.3838, 0.3800



25.8321, 0.2560, 0.3340

Complementary

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



25.8321, 0.2991, 0.2728



35.7529, 0.3238, 0.3865

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.



25.8321, 0.2850, 0.3705



25.8321, 0.2991, 0.2728



25.8321, 0.3590, 0.3968

Square

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



25.8321, 0.2991, 0.2728



25.8321, 0.3890, 0.3517



25.8321, 0.3226, 0.3943



25.8321, 0.2420, 0.2987

Rectangle

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



25.8321, 0.2991, 0.2728



25.8321, 0.3622, 0.3102



25.8321, 0.3226, 0.3943



25.8321, 0.2642, 0.3467

Sweetspot

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



25.8332, 0.2991, 0.2728



62.4503, 0.3088, 0.3117



28.3385, 0.2782, 0.2945



13.4720, 0.3085, 0.3103



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.



25.8332, 0.2991, 0.2728



42.8339, 0.2957, 0.2606



27.2707, 0.3184, 0.2797



7.5128, 0.3076, 0.3063



4.2095, 0.2236, 0.1005



0.1311, 0.2564, 0.1186

Inverse Universe

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



26.6320, 0.3391, 0.3066



44.5654, 0.3459, 0.3018



34.5534, 0.3074, 0.3838



7.5908, 0.3225, 0.3199



6.6118, 0.5315, 0.2702



0.1711, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 25.8321, 0.2991, 0.2728 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 25.8321, 0.2991, 0.2728 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 25.8321, 0.2991, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 25.8321, 0.2991, 0.2728.



This preview shows how white text looks on a background with the Yxy color 25.8321, 0.2991, 0.2728.

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

25.8321, 0.2991, 0.2728

Protanopia

26.0194, 0.2730, 0.2733

Deuteranopia

25.8873, 0.2858, 0.2799



Tritanopia

25.8873, 0.3180, 0.3115

Trichromacy



Original Color

25.8321, 0.2991, 0.2728

Protanomaly

25.7572, 0.2821, 0.2725

Deuteranomaly

25.7695, 0.2907, 0.2774

Tritanomaly

25.9626, 0.3109, 0.2976

Monochromacy



Original Color

25.8321, 0.2991, 0.2728

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.5223, 0.3083, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8321, 0.2991, 0.2728 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(153, 131, 168)` looks like.

```
.text, #text, p{  
    color:rgb(153, 131, 168)  
}
```

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(153, 131, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 131, 168) }
```

Border

The CSS property to change the border of an element to Yxy 25.8321, 0.2991, 0.2728 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(153, 131, 168) }
```

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

```
.border{ border-color:rgb(153, 131, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 131, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 131, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 131, 168);  
box-shadow:4px 4px 4px 4px rgb(153, 131,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8321, 0.2991, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 131, 168) }
```

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

```
.background{ background-color: rgb(153,  
131, 168) }
```

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