

Converting Colors

$Y_{xy}(25.7295, 0.2866, 0.2602)$

Have a look what the booklet for
Yxy(25.7295, 0.2866, 0.2602)
contains.

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Color

Yxy(25.7965, 0.2864, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	9583B1
RGB	149, 131, 177
RGB Percent	58%, 51%, 69%
CMY	0.4157, 0.4863, 0.3058
CMYK	0.16, 0.26, 0.00, 0.31
HSL	263°, 23%, 60%
HSV	263°, 26%, 69%
XYZ	28.4487, 25.7965, 45.0868
YIQ	141.6260, -4.0380, 18.1220

Conversions

Conversions Part 2

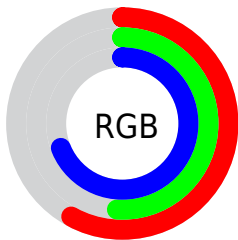
Format	Color
RYB	149, 131, 177
Decimal	9798577
CIELab	57.84, 16.17, -21.75
CIELCh	58, 27.106, 306.623
Yxy	25.7965, 0.2864, 0.2597
Android (android.graphics.Color)	4287988657 (0xFF9583B1)
YUV	141.6260, 17.4394, 6.4670
Hunter-Lab	50.7903, 11.0986, -17.0788

Details

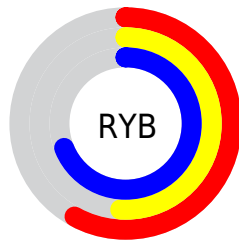
The Yxy color **25.7965, 0.2864, 0.2597** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.4652, 0.3343, 0.3964**, and the grayscale version is **26.8270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0015, 0.2924, 0.2731**, and **10.0865, 0.2772, 0.2391** is the 20% darker color. If you saturate the color by 10%, you get **20.4745, 0.2737, 0.2297**, and if you desaturate by 10%, it is **32.0269, 0.2977, 0.2881**.

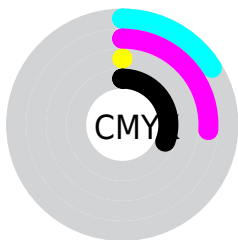
Distribution



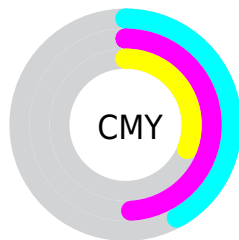
- Red (58%)
- Green (51%)
- Blue (69%)



- Red (58%)
- Yellow (51%)
- Blue (69%)



- Cyan (16%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)





- Cyan (42%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7965, 0.2864, 0.2597 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 25.7965, 0.2864, 0.2597 by changing the saturation by 10% instead.


 25.7965, 0.2864,
0.2597


 25.7965, 0.2864,
0.2597


281.7817, 0.3012,
0.2961


 16.6715, 0.2821,
0.2501


 52.9465, 0.2922,
0.2733

 10.0005, 0.2763,
0.2375


 71.7402, 0.2942,
0.2783

 5.3993, 0.2677,
0.2202


 94.5256, 0.2959,
0.2825

 2.4834, 0.2545,
0.1953

121.6871, 0.2973,
0.2860

 0.8683, 0.2314,
0.1570

153.6090, 0.2985,
0.2891

 0.0000, 0.1149,
0.0000

190.6759, 0.2995,

 0.0000, 0.0000,

0.2917

0.0000

233.2719, 0.3004,
0.2940

■ 25.7965, 0.2864,
0.2597

■ 25.7965, 0.2864,
0.2597

■ 20.4745, 0.2737,
0.2297

■ 32.0269, 0.2977,
0.2881

■ 16.0138, 0.2596,
0.1989

■ 39.2032, 0.3075,
0.3144

■ 12.3680, 0.2446,
0.1686

■ 47.3648, 0.3159,
0.3383

■ 9.4846, 0.2292,
0.1403

■ 56.5478, 0.3231,
0.3598

■ 7.3052, 0.2141,
0.1157

■ 66.7864, 0.3291,
0.3790

■ 5.7619, 0.2001,
0.0963

■ 78.1134, 0.3342,
0.3960

■ 4.7676, 0.1878,
0.0829

■ 90.5599, 0.3385,
0.4111

■ 4.4497, 0.1834,
0.0784

■ 92.3952, 0.3456,
0.4093

■ 94.2879, 0.3529,
0.4073

Harmonies

Analogous

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



25.7965, 0.2500, 0.2554



25.7965, 0.2864, 0.2597



25.7965, 0.3328, 0.2793

Triad

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



25.7965, 0.2864, 0.2597



25.7965, 0.4012, 0.3821



25.7965, 0.2514, 0.3448

Complementary

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



25.7965, 0.2864, 0.2597



40.4652, 0.3343, 0.3964

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.



25.7965, 0.2886, 0.3876



25.7965, 0.2864, 0.2597



25.7965, 0.3756, 0.4071

Square

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



25.7965, 0.2864, 0.2597



25.7965, 0.4019, 0.3468



25.7965, 0.3340, 0.4109



25.7965, 0.2310, 0.3006

Rectangle

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



25.7965, 0.2864, 0.2597



25.7965, 0.3630, 0.2990



25.7965, 0.3340, 0.4109



25.7965, 0.2622, 0.3602

Sweetspot

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



25.7976, 0.2864, 0.2597



67.2984, 0.3055, 0.3090



32.9280, 0.2728, 0.3019



14.1607, 0.3041, 0.3051



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.



25.7976, 0.2864, 0.2597



40.7226, 0.2795, 0.2433



28.1392, 0.3100, 0.2644



8.3869, 0.3044, 0.3059



3.2560, 0.1845, 0.0790



0.1367, 0.2183, 0.0976

Inverse Universe

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



28.0861, 0.3348, 0.2892



45.5640, 0.3408, 0.2804



38.3575, 0.3139, 0.4009



8.5893, 0.3195, 0.3152



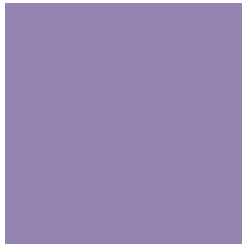
7.5652, 0.4481, 0.2242



0.2491, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 25.7965, 0.2864, 0.2597 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 25.7965, 0.2864, 0.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

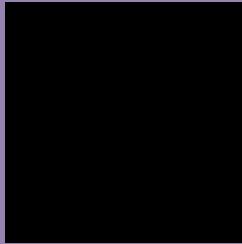
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7965, 0.2864, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 25.7965, 0.2864, 0.2597.



This preview shows how white text looks on a background with the Yxy color 25.7965, 0.2864, 0.2597.

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

25.7965, 0.2864, 0.2597

Protanopia

25.7807, 0.2620, 0.2584

Deuteranopia

25.7295, 0.2721, 0.2661



Tritanopia

25.9272, 0.3102, 0.3128

Trichromacy



Original Color

25.7965, 0.2864, 0.2597

Protanomaly

25.7741, 0.2705, 0.2593

Deuteranomaly

25.6738, 0.2776, 0.2639

Tritanomaly

25.9076, 0.3014, 0.2926

Monochromacy



Original Color

25.7965, 0.2864, 0.2597

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.5633, 0.3033, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7965, 0.2864, 0.2597 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(149, 131, 177)` looks like.

```
.text, #text, p{  
    color:rgb(149, 131, 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(149, 131, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 131, 177) }
```

Border

The CSS property to change the border of an element to Yxy 25.7965, 0.2864, 0.2597 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(149, 131, 177) }
```

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

```
.border{ border-color:rgb(149, 131, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 131, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 131, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 131, 177);  
box-shadow:4px 4px 4px 4px rgb(149, 131,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7965, 0.2864, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 131, 177) }
```

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

```
.background{ background-color: rgb(149,  
131, 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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