

Converting Colors

$Y_{xy}(27.0080, 0.2977, 0.2646)$

Have a look what the booklet for
Yxy(27.0080, 0.2977, 0.2646)
contains.

Yxy(27.0080, 0.2977, 0.2646)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0080, 0.2977, 0.2646)

Conversions

Conversions Part 1

Format	Color
Hex	9F84B0
RGB	159, 132, 176
RGB Percent	62%, 52%, 69%
CMY	0.3764, 0.4824, 0.3099
CMYK	0.10, 0.25, 0.00, 0.31
HSL	277°, 22%, 60%
HSV	277°, 25%, 69%
XYZ	30.3866, 27.0080, 44.6765
YIQ	145.0890, 1.9680, 19.4080

Conversions

Conversions Part 2

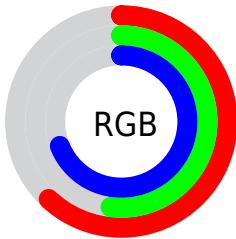
Format	Color
RYB	159, 132, 176
Decimal	10454192
CIELab	58.98, 18.69, -19.34
CIELCh	59, 26.895, 314.025
Yxy	27.0080, 0.2977, 0.2646
Android (android.graphics.Color)	4288644272 (0xFF9F84B0)
YUV	145.0890, 15.2391, 12.1999
Hunter-Lab	51.9692, 13.4233, -14.5915

Details

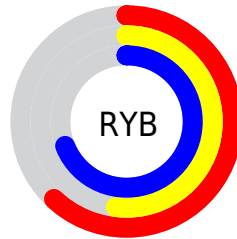
The Yxy color **27.0080, 0.2977, 0.2646** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.0963, 0.3245, 0.3955**, and the grayscale version is **28.2906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8203, 0.3009, 0.2765**, and **10.5904, 0.2919, 0.2442** is the 20% darker color. If you saturate the color by 10%, you get **21.9568, 0.2900, 0.2368**, and if you desaturate by 10%, it is **32.9047, 0.3044, 0.2915**.

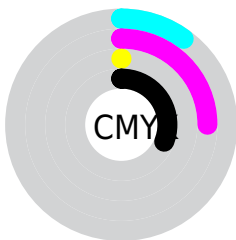
Distribution



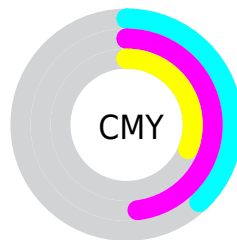
- Red (62%)
- Green (52%)
- Blue (69%)



- Red (62%)
- Yellow (52%)
- Blue (69%)



- Cyan (10%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)





- Cyan (38%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0080, 0.2977, 0.2646 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 27.0080, 0.2977, 0.2646 by changing the saturation by 10% instead.


 27.0080, 0.2977,
0.2646


 27.0080, 0.2977,
0.2646


287.6959, 0.3063,
0.2982


 17.5792, 0.2951,
0.2558


 54.8967, 0.3011,
0.2771

 10.6483, 0.2915,
0.2443


 74.1254, 0.3023,
0.2817

 5.8309, 0.2863,
0.2285


 97.3896, 0.3033,
0.2856

 2.7425, 0.2778,
0.2059

125.0736, 0.3041,
0.2889

 0.9988, 0.2627,
0.1710

157.5618, 0.3048,
0.2917

 0.0000, 0.2177,
0.0000

195.2387, 0.3054,

 0.0000, 0.0000,

0.2941

0.0000

238.4886, 0.3059,
0.2963

■ 27.0080, 0.2977,
0.2646

■ 27.0080, 0.2977,
0.2646

■ 21.9568, 0.2900,
0.2368

■ 32.9047, 0.3044,
0.2915

■ 17.7068, 0.2813,
0.2089

■ 39.6815, 0.3102,
0.3170

■ 14.2145, 0.2718,
0.1819

■ 47.3755, 0.3150,
0.3406

■ 11.4310, 0.2617,
0.1572

■ 56.0204, 0.3191,
0.3623

■ 9.3014, 0.2513,
0.1359

■ 65.6482, 0.3224,
0.3820

7.7625, 0.2411,
0.1190

76.2893, 0.3251,
0.3997

6.7370, 0.2314,
0.1071

87.8527, 0.3273,
0.4155

6.3281, 0.2266,
0.1022

88.8488, 0.3317,
0.4143

89.8874, 0.3362,
0.4131

Harmonies

Analogous

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



27.0080, 0.2588, 0.2565



27.0080, 0.2977, 0.2646



27.0080, 0.3437, 0.2870

Triad

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



27.0080, 0.2977, 0.2646



27.0080, 0.3951, 0.3884



27.0080, 0.2461, 0.3333

Complementary

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



27.0080, 0.2977, 0.2646



39.0963, 0.3245, 0.3955

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.



27.0080, 0.2790, 0.3770



27.0080, 0.2977, 0.2646



27.0080, 0.3653, 0.4085

Square

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



27.0080, 0.2977, 0.2646



27.0080, 0.4022, 0.3555



27.0080, 0.3225, 0.4058



27.0080, 0.2308, 0.2922

Rectangle

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



27.0080, 0.2977, 0.2646



27.0080, 0.3716, 0.3078



27.0080, 0.3225, 0.4058



27.0080, 0.2553, 0.3484

Sweetspot

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



27.0091, 0.2977, 0.2646



69.2289, 0.3090, 0.3117



29.7226, 0.2731, 0.2879



14.8448, 0.3087, 0.3103



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.



27.0091, 0.2977, 0.2646



43.7409, 0.2935, 0.2493



28.6934, 0.3201, 0.2737



8.4798, 0.3078, 0.3061



4.6785, 0.2276, 0.1027



0.1796, 0.2540, 0.1173

Inverse Universe

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



27.8996, 0.3446, 0.3045



45.7048, 0.3540, 0.2988



37.7384, 0.3061, 0.3914



8.5577, 0.3229, 0.3202



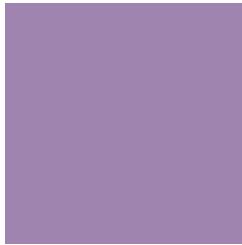
7.0883, 0.5400, 0.2748



0.2346, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 27.0080, 0.2977, 0.2646 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 27.0080, 0.2977, 0.2646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

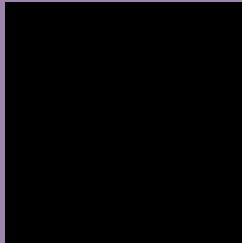
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0080, 0.2977, 0.2646

Background



This preview shows how black text looks on a background with the Yxy color 27.0080, 0.2977, 0.2646.



This preview shows how white text looks on a background with the Yxy color 27.0080, 0.2977, 0.2646.

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

27.0080, 0.2977, 0.2646

Protanopia

27.2524, 0.2662, 0.2655

Deuteranopia

27.0494, 0.2790, 0.2733



Tritanopia

26.9980, 0.3212, 0.3119

Trichromacy



Original Color

27.0080, 0.2977, 0.2646

Protanomaly

27.1350, 0.2766, 0.2651

Deuteranomaly

26.8145, 0.2855, 0.2696

Tritanomaly

26.8645, 0.3122, 0.2938

Monochromacy



Original Color

27.0080, 0.2977, 0.2646

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.6405, 0.3075, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0080, 0.2977, 0.2646 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(159, 132, 176)` looks like.

```
.text, #text, p{  
    color:rgb(159, 132, 176)  
}
```

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(159, 132, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 132, 176) }
```

Border

The CSS property to change the border of an element to Yxy 27.0080, 0.2977, 0.2646 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(159, 132, 176) }
```

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

```
.border{ border-color:rgb(159, 132, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 132, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 132, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 132, 176);  
box-shadow:4px 4px 4px 4px rgb(159, 132,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0080, 0.2977, 0.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 132, 176) }
```

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

```
.background{ background-color: rgb(159,  
132, 176) }
```

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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