

Converting Colors

$Y_{xy}(27.1777, 0.2897, 0.2664)$

Have a look what the booklet for
Yxy(27.1777, 0.2897, 0.2664)
contains.

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Color

Yxy(27.1777, 0.2897, 0.2664)

Conversions

Conversions Part 1

Format	Color
Hex	9887B1
RGB	152, 135, 177
RGB Percent	60%, 53%, 69%
CMY	0.4038, 0.4706, 0.3059
CMYK	0.14, 0.24, 0.00, 0.31
HSL	264°, 21%, 61%
HSV	264°, 24%, 69%
XYZ	29.5547, 27.1777, 45.2860
YIQ	144.8710, -3.3500, 16.6660

Conversions

Conversions Part 2

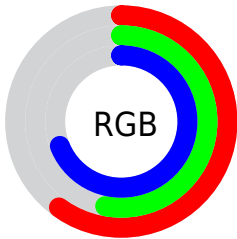
Format	Color
RYB	152, 135, 177
Decimal	9996209
CIELab	59.14, 14.87, -19.74
CIELCh	59, 24.713, 306.984
Yxy	27.1777, 0.2897, 0.2664
Android (android.graphics.Color)	4288186289 (0xFF9887B1)
YUV	144.8710, 15.8396, 6.2521
Hunter-Lab	52.1322, 9.9635, -15.0112

Details

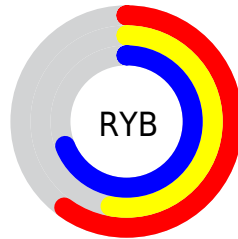
The Yxy color $27.1777, 0.2897, 0.2664$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $40.6645, 0.3319, 0.3903$, and the grayscale version is $28.1982, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.1150, 0.2948, 0.2781$, and $10.7189, 0.2819, 0.2466$ is the 20% darker color. If you saturate the color by 10%, you get $21.6733, 0.2776, 0.2368$, and if you desaturate by 10%, it is $33.5955, 0.3004, 0.2943$.

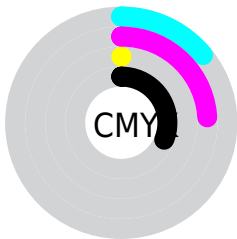
Distribution



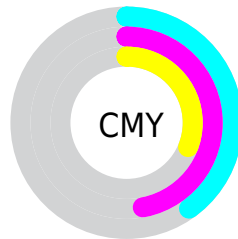
- Red (60%)
- Green (53%)
- Blue (69%)



- Red (60%)
- Yellow (53%)
- Blue (69%)



- Cyan (14%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)





- Cyan (40%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1777, 0.2897, 0.2664 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 27.1777, 0.2897, 0.2664 by changing the saturation by 10% instead.


 27.1777, 0.2897,
0.2664


 27.1777, 0.2897,
0.2664


288.5165, 0.3025,
0.2992

 17.7067, 0.2860,
0.2578


 55.1689, 0.2947,
0.2786

 10.7396, 0.2810,
0.2464


 74.4579, 0.2965,
0.2831

 5.8920, 0.2737,
0.2309


 97.7884, 0.2979,
0.2869

 2.7795, 0.2624,
0.2085

125.5447, 0.2992,
0.2901

 1.0178, 0.2429,
0.1738

158.1113, 0.3002,
0.2928

 0.0000, 0.1720,
0.0000

195.8725, 0.3011,

 0.0000, 0.0000,

0.2952

0.0000

239.2128, 0.3019,
0.2973

■ 27.1777, 0.2897,
0.2664

■ 27.1777, 0.2897,
0.2664

■ 21.6733, 0.2776,
0.2368

■ 33.5955, 0.3004,
0.2943

■ 17.0360, 0.2641,
0.2063

■ 40.9633, 0.3096,
0.3200

■ 13.2204, 0.2497,
0.1759

■ 49.3198, 0.3175,
0.3434

■ 10.1758, 0.2346,
0.1473

■ 58.7005, 0.3242,
0.3644

■ 7.8453, 0.2196,
0.1219

■ 69.1391, 0.3298,
0.3831

6.1638, 0.2054,
0.1014

80.6678, 0.3346,
0.3998

5.0536, 0.1928,
0.0867

90.8082, 0.3393,
0.4110

4.5461, 0.1857,
0.0797

92.5575, 0.3463,
0.4091

94.4128, 0.3534,
0.4072

Harmonies

Analogous

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



27.1777, 0.2565, 0.2625



27.1777, 0.2897, 0.2664



27.1777, 0.3314, 0.2844

Triad

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



27.1777, 0.2897, 0.2664



27.1777, 0.3920, 0.3776



27.1777, 0.2573, 0.3428

Complementary

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



27.1777, 0.2897, 0.2664



40.6645, 0.3319, 0.3903

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.



27.1777, 0.2908, 0.3807



27.1777, 0.2897, 0.2664



27.1777, 0.3691, 0.3993

Square

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



27.1777, 0.2897, 0.2664



27.1777, 0.3927, 0.3460



27.1777, 0.3317, 0.4018



27.1777, 0.2388, 0.3035

Rectangle

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



27.1777, 0.2897, 0.2664



27.1777, 0.3583, 0.3024



27.1777, 0.3317, 0.4018



27.1777, 0.2671, 0.3564

Sweetspot

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



27.1788, 0.2897, 0.2664



68.7014, 0.3066, 0.3116



33.5353, 0.2762, 0.3034



14.7217, 0.3061, 0.3101



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.



27.1788, 0.2897, 0.2664



43.8000, 0.2841, 0.2526



29.3614, 0.3110, 0.2703



8.3929, 0.3046, 0.3059



3.3272, 0.1868, 0.0803



0.1392, 0.2204, 0.0988

Inverse Universe

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



29.2091, 0.3331, 0.2936



48.0691, 0.3383, 0.2863



38.7011, 0.3133, 0.3939



8.5872, 0.3197, 0.3156



7.5260, 0.4540, 0.2275



0.2480, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 27.1777, 0.2897, 0.2664 looks on a white background.

Color Contrast Check

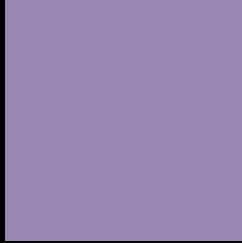
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1777, 0.2897, 0.2664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

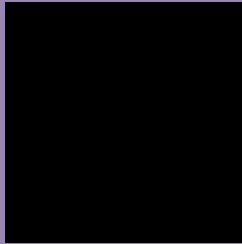
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1777, 0.2897, 0.2664

Background



This preview shows how black text looks on a background with the Yxy color 27.1777, 0.2897, 0.2664.



This preview shows how white text looks on a background with the Yxy color 27.1777, 0.2897, 0.2664.

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

27.1777, 0.2897, 0.2664

Protanopia

27.2915, 0.2679, 0.2670

Deuteranopia

27.0888, 0.2781, 0.2718



Tritanopia

27.2864, 0.3103, 0.3116

Trichromacy



Original Color

27.1777, 0.2897, 0.2664

Protanomaly

27.2495, 0.2748, 0.2663

Deuteranomaly

27.2408, 0.2828, 0.2710

Tritanomaly

27.1046, 0.3026, 0.2948

Monochromacy



Original Color

27.1777, 0.2897, 0.2664

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.7800, 0.3044, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1777, 0.2897, 0.2664 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(152, 135, 177)` looks like.

```
.text, #text, p{  
    color:rgb(152, 135, 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(152, 135, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 135, 177) }
```

Border

The CSS property to change the border of an element to Yxy 27.1777, 0.2897, 0.2664 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(152, 135, 177) }
```

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

```
.border{ border-color:rgb(152, 135, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 135, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 135, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 135, 177);  
box-shadow:4px 4px 4px 4px rgb(152, 135,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1777, 0.2897, 0.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 135, 177) }
```

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

```
.background{ background-color: rgb(152,  
135, 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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