

Converting Colors

$Y_{xy}(27.6455, 0.3126, 0.2575)$

Have a look what the booklet for
Yxy(27.6455, 0.3126, 0.2575)
contains.

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Color

Yxy(27.6635, 0.3128, 0.2573)

Conversions

Conversions Part 1

Format	Color
Hex	B07FB3
RGB	176, 127, 179
RGB Percent	69%, 50%, 70%
CMY	0.3098, 0.5019, 0.2980
CMYK	0.02, 0.29, 0.00, 0.30
HSL	297°, 25%, 60%
HSV	297°, 29%, 70%
XYZ	33.6306, 27.6635, 46.2205
YIQ	147.5790, 12.5120, 26.5600

Conversions

Conversions Part 2

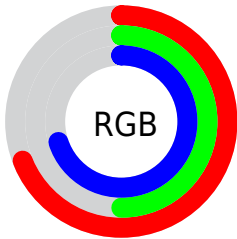
Format	Color
R _Y B	176, 127, 179
Decimal	11567027
CIE Lab	59.58, 27.85, -19.99
CIE LCh	60, 34.288, 324.330
Yxy	27.6635, 0.3128, 0.2573
Android (android.graphics.Color)	4289757107 (0xFFB07FB3)
YUV	147.5790, 15.4906, 24.9252
Hunter-Lab	52.5961, 22.0918, -15.2857

Details

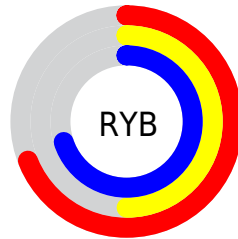
The Yxy color $27.6635, 0.3128, 0.2573$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $38.5246, 0.3113, 0.4113$, and the grayscale version is $29.3613, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7965, 0.3130, 0.2704$, and $11.0251, 0.3123, 0.2360$ is the 20% darker color. If you saturate the color by 10%, you get $23.3236, 0.3125, 0.2330$, and if you desaturate by 10%, it is $32.8282, 0.3129, 0.2823$.

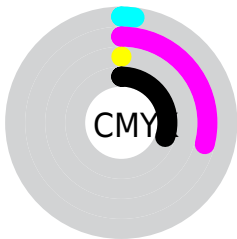
Distribution



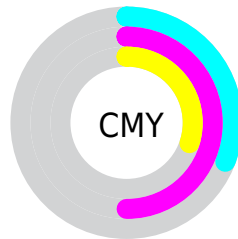
- Red (69%)
- Green (50%)
- Blue (70%)



- Red (69%)
- Yellow (50%)
- Blue (70%)



- Cyan (2%)
- Magenta (29%)
- Yellow (0%)
- Black (30%)





- Cyan (31%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6635, 0.3128, 0.2573 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 27.6635, 0.3128, 0.2573 by changing the saturation by 10% instead.


 27.6635, 0.3128,
0.2573


 27.6635, 0.3128,
0.2573


290.8555, 0.3136,
0.2941


 18.0722, 0.3123,
0.2479


 55.9468, 0.3133,
0.2709

 11.0018, 0.3115,
0.2356


 75.4075, 0.3134,
0.2759

 6.0681, 0.3100,
0.2191


 98.9267, 0.3135,
0.2802

 2.8865, 0.3071,
0.1958

126.8890, 0.3135,
0.2838

 1.0728, 0.3008,
0.1610

159.6786, 0.3136,
0.2869

 0.0000, 0.3123,
0.0000

197.6799, 0.3136,

 0.0000, 0.0000,

0.2896

0.0000

241.2774, 0.3136,
0.2920

■ 27.6635, 0.3128,
0.2573

■ 27.6635, 0.3128,
0.2573

■ 23.3236, 0.3125,
0.2330

■ 32.8282, 0.3129,
0.2823

■ 19.7615, 0.3120,
0.2102

■ 38.8544, 0.3129,
0.3072

■ 16.9308, 0.3113,
0.1899

■ 45.7810, 0.3127,
0.3312

■ 14.7788, 0.3104,
0.1731

■ 53.6433, 0.3124,
0.3541

■ 13.2458, 0.3092,
0.1602

■ 62.4749, 0.3121,
0.3755

■ 12.2617, 0.3080,
0.1516

■ 72.3075, 0.3117,
0.3953

■ 11.6973, 0.3066,
0.1466

■ 83.1717, 0.3113,
0.4133

■ 11.6496, 0.3065,
0.1462

■ 85.0024, 0.3118,
0.4158

■ 85.1313, 0.3124,
0.4156

Harmonies

Analogous

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



27.6635, 0.2599, 0.2407



27.6635, 0.3128, 0.2573



27.6635, 0.3706, 0.2892

Triad

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



27.6635, 0.3128, 0.2573



27.6635, 0.4054, 0.4135



27.6635, 0.2205, 0.3140

Complementary

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



27.6635, 0.3128, 0.2573



38.5246, 0.3113, 0.4113

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.



27.6635, 0.2537, 0.3720



27.6635, 0.3128, 0.2573



27.6635, 0.3601, 0.4328

Square

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



27.6635, 0.3128, 0.2573



27.6635, 0.4263, 0.3751



27.6635, 0.3045, 0.4188



27.6635, 0.2106, 0.2679

Rectangle

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



27.6635, 0.3128, 0.2573



27.6635, 0.4023, 0.3163



27.6635, 0.3045, 0.4188



27.6635, 0.2291, 0.3329

Sweetspot

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



27.6647, 0.3128, 0.2573



69.4620, 0.3129, 0.3069



23.8585, 0.2632, 0.2518



15.0231, 0.3129, 0.3034



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6647, 0.3128, 0.2573



44.2948, 0.3126, 0.2413



27.1814, 0.3406, 0.2873



8.6211, 0.3129, 0.3065



8.2409, 0.3066, 0.1463



0.2668, 0.3109, 0.1486

Inverse Universe

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



26.3772, 0.3720, 0.3248



41.6283, 0.3912, 0.3238



38.9444, 0.2921, 0.3749



8.5130, 0.3278, 0.3277



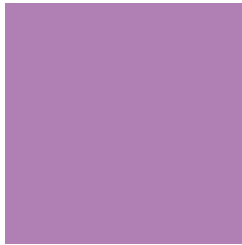
6.7917, 0.6325, 0.3258



0.2163, 0.6023, 0.3091

Previews

White Background



This preview shows how the Yxy color 27.6635, 0.3128, 0.2573 looks on a white background.

Color Contrast Check

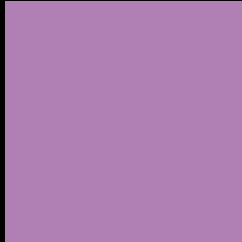
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6635, 0.3128, 0.2573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

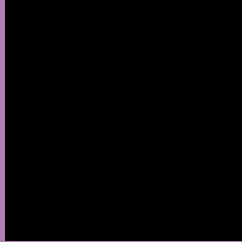
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6635, 0.3128, 0.2573

Background



This preview shows how black text looks on a background with the Yxy color 27.6635, 0.3128, 0.2573.



This preview shows how white text looks on a background with the Yxy color 27.6635, 0.3128, 0.2573.

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

27.6635, 0.3128, 0.2573

Protanopia

27.8890, 0.2603, 0.2563

Deuteranopia

27.8471, 0.2802, 0.2753



Tritanopia

27.7217, 0.3441, 0.3143

Trichromacy



Original Color

27.6635, 0.3128, 0.2573

Protanomaly

27.6395, 0.2771, 0.2566

Deuteranomaly

27.6527, 0.2917, 0.2683

Tritanomaly

27.5512, 0.3325, 0.2914

Monochromacy



Original Color

27.6635, 0.3128, 0.2573

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.5285, 0.3130, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6635, 0.3128, 0.2573 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(176, 127, 179)` looks like.

```
.text, #text, p{  
    color:rgb(176, 127, 179)  
}
```

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(176, 127, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 127, 179) }
```

Border

The CSS property to change the border of an element to Yxy 27.6635, 0.3128, 0.2573 is called "border". The border property can be set on classes, ids or directly on the HTML element.

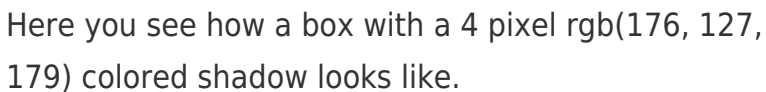
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 127, 179) }
```

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

```
.border{ border-color:rgb(176, 127, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 127, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 127, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 127, 179); box-shadow:4px 4px 4px 4px rgb(176, 127, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6635, 0.3128, 0.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 127, 179) }
```

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

```
.background{ background-color: rgb(176,  
127, 179) }
```

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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