

Converting Colors

$Y_{xy}(27.1303, 0.33336, 0.2678)$

Have a look what the booklet for
Yxy(27.1303, 0.3336, 0.2678)
contains.

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Color

Yxy(27.1834, 0.3338, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	B87BA8
RGB	184, 123, 168
RGB Percent	72%, 48%, 66%
CMY	0.2784, 0.5177, 0.3411
CMYK	0.00, 0.33, 0.09, 0.28
HSL	316°, 30%, 60%
HSV	316°, 33%, 72%
XYZ	33.9208, 27.1834, 40.5160
YIQ	146.3690, 21.9110, 26.9270

Conversions

Conversions Part 2

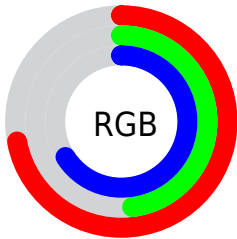
Format	Color
RYB	184, 123, 168
Decimal	12090280
CIELab	59.14, 30.77, -14.29
CIELCh	59, 33.924, 335.078
Yxy	27.1834, 0.3338, 0.2675
Android (android.graphics.Color)	4290280360 (0xFFB87BA8)
YUV	146.3690, 10.6641, 33.0024
Hunter-Lab	52.1377, 24.8912, -9.5776

Details

The Yxy color **27.1834, 0.3338, 0.2675** is a light color, and the websafe version is hex **996699**. A complement of this color would be **40.3583, 0.2968, 0.3998**, and the grayscale version is **28.8535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0792, 0.3302, 0.2793**, and **10.7719, 0.3401, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **22.8641, 0.3422, 0.2491**, and if you desaturate by 10%, it is **32.3698, 0.3263, 0.2864**.

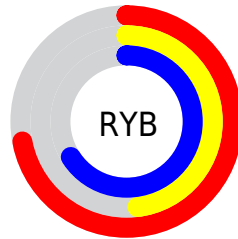
Distribution



Red (72%)

Green (48%)

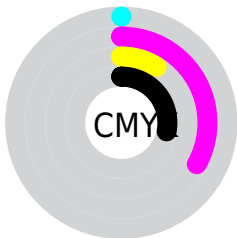
Blue (66%)



Red (72%)

Yellow (48%)

Blue (66%)

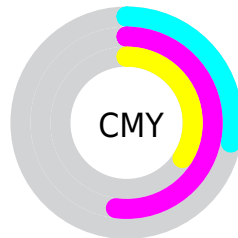


Cyan (0%)

Magenta (33%)

Yellow (9%)

Black (28%)



Cyan (28%)


Magenta (52%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1834, 0.3338, 0.2675 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 27.1834, 0.3338, 0.2675 by changing the saturation by 10% instead.

 27.1834, 0.3338,
0.2675


 27.1834, 0.3338,
0.2675

288.5440, 0.3231,
0.2994

 17.7110, 0.3365,
0.2592


 55.1780, 0.3299,
0.2793

 10.7427, 0.3401,
0.2483


 74.4690, 0.3284,
0.2837

 5.8941, 0.3448,
0.2335


 97.8017, 0.3271,
0.2874

 2.7808, 0.3514,
0.2123

125.5605, 0.3261,
0.2905

 1.0184, 0.3610,
0.1795

158.1297, 0.3252,
0.2932

 0.0000, 0.4245,
0.0000

195.8938, 0.3244,

 0.0000, 0.0000,

0.2955

0.0000

239.2371, 0.3237,
0.2976

■ 27.1834, 0.3338,
0.2675

■ 27.1834, 0.3338,
0.2675

■ 22.8641, 0.3422,
0.2491

■ 32.3698, 0.3263,
0.2864

■ 19.3600, 0.3516,
0.2322

■ 38.4642, 0.3199,
0.3052

■ 16.6193, 0.3617,
0.2176


■ 45.5092, 0.3143,
0.3234

■ 14.5827, 0.3722,
0.2065


■ 53.5436, 0.3096,
0.3407

■ 13.1821, 0.3829,
0.1996

■ 62.6042, 0.3056,
0.3569

 12.3358, 0.3934,
0.1975

 72.7258, 0.3022,
0.3719

 11.9631, 0.4006,
0.1980

 83.9416, 0.2994,
0.3858

 86.1962, 0.2969,
0.3834

 86.4350, 0.2943,
0.3778

Harmonies

Analogous

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



27.1834, 0.2775, 0.2450



27.1834, 0.3338, 0.2675



27.1834, 0.3885, 0.3035

Triad

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



27.1834, 0.3338, 0.2675



27.1834, 0.3910, 0.4230



27.1834, 0.2146, 0.2955

Complementary

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



27.1834, 0.3338, 0.2675



40.3583, 0.2968, 0.3998

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.



27.1834, 0.2397, 0.3510



27.1834, 0.3338, 0.2675



27.1834, 0.3405, 0.4316

Square

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



27.1834, 0.3338, 0.2675



27.1834, 0.4219, 0.3899



27.1834, 0.2851, 0.4047



27.1834, 0.2132, 0.2568

Rectangle

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



27.1834, 0.3338, 0.2675



27.1834, 0.4141, 0.3320



27.1834, 0.2851, 0.4047



27.1834, 0.2204, 0.3127

Sweetspot

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



27.1846, 0.3338, 0.2675



73.3535, 0.3181, 0.3108



23.0510, 0.2687, 0.2359



15.4440, 0.3189, 0.3082



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



27.1846, 0.3338, 0.2675



43.2496, 0.3400, 0.2536



26.1988, 0.3692, 0.3075



9.1215, 0.3176, 0.3123



8.2563, 0.3993, 0.1974



0.3006, 0.3750, 0.1840

Inverse Universe

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



27.1846, 0.3338, 0.2675



43.2496, 0.3400, 0.2536



41.3501, 0.2762, 0.3520



9.1215, 0.3176, 0.3123



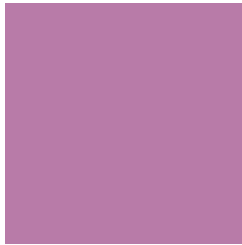
8.2563, 0.3993, 0.1974



0.3006, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 27.1834, 0.3338, 0.2675 looks on a white background.

Color Contrast Check

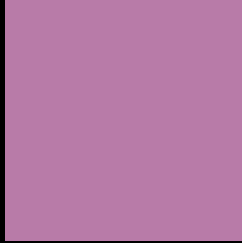
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1834, 0.3338, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

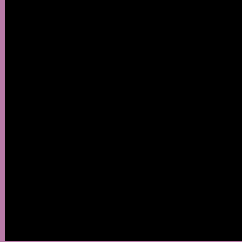
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1834, 0.3338, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 27.1834, 0.3338, 0.2675.



This preview shows how white text looks on a background with the Yxy color 27.1834, 0.3338, 0.2675.

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

27.1834, 0.3338, 0.2675

Protanopia

27.3725, 0.2688, 0.2672

Deuteranopia

27.2928, 0.2948, 0.2886



Tritanopia

27.2388, 0.3628, 0.3162

Trichromacy



Original Color

27.1834, 0.3338, 0.2675

Protanomaly

26.8602, 0.2905, 0.2662

Deuteranomaly

27.0018, 0.3085, 0.2798

Tritanomaly

27.1724, 0.3515, 0.2978

Monochromacy



Original Color

27.1834, 0.3338, 0.2675

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9836, 0.3204, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1834, 0.3338, 0.2675 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(184, 123, 168)` looks like.

```
.text, #text, p{  
    color:rgb(184, 123, 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(184, 123, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 123, 168) }
```

Border

The CSS property to change the border of an element to Yxy 27.1834, 0.3338, 0.2675 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(184, 123, 168) }
```

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

```
.border{ border-color:rgb(184, 123, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 123, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 123, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 123, 168); box-shadow:4px 4px 4px 4px rgb(184, 123, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1834, 0.3338, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 123, 168) }
```

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

```
.background{ background-color: rgb(184,  
123, 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](#).

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