

Converting Colors

$Y_{xy}(27.3985, 0.3376, 0.2873)$

Have a look what the booklet for
Yxy(27.3985, 0.3376, 0.2873)
contains.

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Color

Yxy(27.3719, 0.3375, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	B2809E
RGB	178, 128, 158
RGB Percent	70%, 50%, 62%
CMY	0.3021, 0.4980, 0.3805
CMYK	0.00, 0.28, 0.11, 0.30
HSL	324°, 24%, 60%
HSV	324°, 28%, 70%
XYZ	32.2444, 27.3719, 35.9226
YIQ	146.3700, 20.1700, 19.9300

Conversions

Conversions Part 2

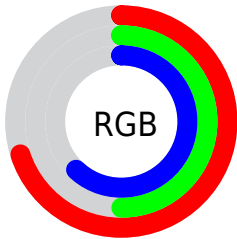
Format	Color
RYB	178, 128, 158
Decimal	11698334
CIELab	59.32, 24.08, -8.34
CIElCh	59, 25.480, 340.893
Yxy	27.3719, 0.3375, 0.2865
Android (android.graphics.Color)	4289888414 (0xFFB2809E)
YUV	146.3700, 5.7336, 27.7395
Hunter-Lab	52.3182, 18.4552, -4.0869

Details

The Yxy color $27.3719, 0.3375, 0.2865$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $38.5585, 0.2940, 0.3758$, and the grayscale version is $28.8741, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.3443, 0.3320, 0.2941$, and $10.8703, 0.3460, 0.2719$ is the 20% darker color. If you saturate the color by 10%, you get $22.8914, 0.3494, 0.2709$, and if you desaturate by 10%, it is $32.6834, 0.3273, 0.3021$.

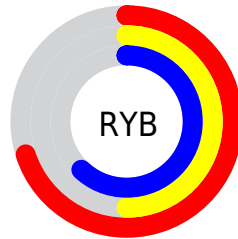
Distribution



Red (70%)

Green (50%)

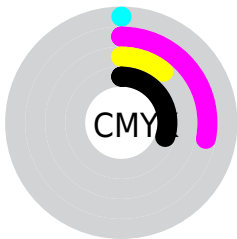
Blue (62%)



Red (70%)

Yellow (50%)

Blue (62%)

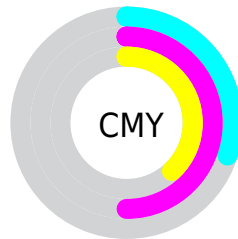


Cyan (0%)

Magenta (28%)

Yellow (11%)

Black (30%)



Cyan (30%)


Magenta (50%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3719, 0.3375, 0.2865 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 27.3719, 0.3375, 0.2865 by changing the saturation by 10% instead.


 27.3719, 0.3375,
0.2865


 27.3719, 0.3375,
0.2865


289.4533, 0.3244,
0.3089


 17.8527, 0.3410,
0.2805


 55.4801, 0.3325,
0.2949

 10.8443, 0.3458,
0.2726


 74.8379, 0.3307,
0.2980

 5.9622, 0.3523,
0.2616


 98.2440, 0.3292,
0.3006

 2.8221, 0.3622,
0.2453

126.0828, 0.3280,
0.3027

 1.0396, 0.3784,
0.2189

158.7388, 0.3269,
0.3046

 0.0000, 0.5074,
0.0000

196.5963, 0.3259,

 0.0000, 0.0000,

0.3062

0.0000

240.0396, 0.3251,
0.3076

■ 27.3719, 0.3375,
0.2865

■ 27.3719, 0.3375,
0.2865

■ 22.8914, 0.3494,
0.2709

■ 32.6834, 0.3273,
0.3021

■ 19.1954, 0.3632,
0.2560

■ 38.8619, 0.3187,
0.3173

■ 16.2386, 0.3787,
0.2428

■ 45.9457, 0.3114,
0.3317

■ 13.9693, 0.3957,
0.2322

■ 53.9697, 0.3054,
0.3452

■ 12.3292, 0.4137,
0.2255

■ 62.9670, 0.3003,
0.3578

■ 11.2502, 0.4321,
0.2236

■ 72.9690, 0.2962,
0.3693

■ 10.6216, 0.4501,
0.2265

■ 84.0059, 0.2927,
0.3800

■ 10.5178, 0.4537,
0.2273

■ 85.8858, 0.2891,
0.3741

■ 86.2599, 0.2854,
0.3658

Harmonies

Analogous

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



27.3719, 0.2943, 0.2664



27.3719, 0.3375, 0.2865



27.3719, 0.3759, 0.3165

Triad

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



27.3719, 0.3375, 0.2865



27.3719, 0.3662, 0.4029



27.3719, 0.2358, 0.2980

Complementary

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



27.3719, 0.3375, 0.2865



38.5585, 0.2940, 0.3758

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.



27.3719, 0.2523, 0.3376



27.3719, 0.3375, 0.2865



27.3719, 0.3266, 0.4026

Square

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



27.3719, 0.3375, 0.2865



27.3719, 0.3923, 0.3825



27.3719, 0.2850, 0.3779



27.3719, 0.2381, 0.2708

Rectangle

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



27.3719, 0.3375, 0.2865



27.3719, 0.3921, 0.3393



27.3719, 0.2850, 0.3779



27.3719, 0.2392, 0.3102

Sweetspot

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



27.3731, 0.3375, 0.2865



70.4131, 0.3187, 0.3172



24.9528, 0.2843, 0.2537



15.2058, 0.3199, 0.3150



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.



27.3731, 0.3375, 0.2865



44.1892, 0.3451, 0.2763



26.5990, 0.3668, 0.3219



8.5880, 0.3197, 0.3154



7.5410, 0.4517, 0.2262



0.2484, 0.4063, 0.2012

Inverse Universe

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



27.3731, 0.3375, 0.2865



44.1892, 0.3451, 0.2763



39.4363, 0.2761, 0.3364



8.5880, 0.3197, 0.3154



7.5410, 0.4517, 0.2262



0.2484, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 27.3719, 0.3375, 0.2865 looks on a white background.

Color Contrast Check

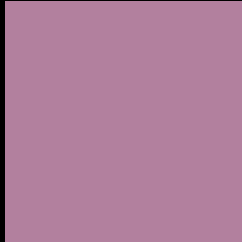
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3719, 0.3375, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

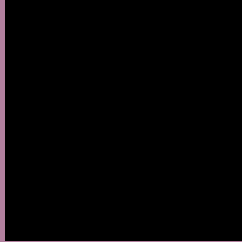
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3719, 0.3375, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 27.3719, 0.3375, 0.2865.



This preview shows how white text looks on a background with the Yxy color 27.3719, 0.3375, 0.2865.

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

27.3719, 0.3375, 0.2865

Protanopia

27.5393, 0.2852, 0.2895

Deuteranopia

27.4448, 0.3086, 0.3025



Tritanopia

27.3858, 0.3540, 0.3145

Trichromacy



Original Color

27.3719, 0.3375, 0.2865

Protanomaly

27.3440, 0.3030, 0.2878

Deuteranomaly

27.3393, 0.3187, 0.2958

Tritanomaly

27.4190, 0.3485, 0.3045

Monochromacy



Original Color

27.3719, 0.3375, 0.2865

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9363, 0.3222, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3719, 0.3375, 0.2865 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(178, 128, 158)` looks like.

```
.text, #text, p{  
    color:rgb(178, 128, 158)  
}
```

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(178, 128, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 128, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.3719, 0.3375, 0.2865 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(178, 128, 158) }
```

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

```
.border{ border-color:rgb(178, 128, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 128, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 128, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 128, 158);  
box-shadow:4px 4px 4px 4px rgb(178, 128,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3719, 0.3375, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 128, 158) }
```

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

```
.background{ background-color: rgb(178,  
128, 158) }
```

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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