

Converting Colors

$Y_{xy}(27.5848, 0.3170, 0.2585)$

Have a look what the booklet for
Yxy(27.5848, 0.3170, 0.2585)
contains.

Yxy(27.5610, 0.3171, 0.2589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.5610, 0.3171, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	B27EB1
RGB	178, 126, 177
RGB Percent	70%, 49%, 69%
CMY	0.3020, 0.5059, 0.3059
CMYK	0.00, 0.29, 0.01, 0.30
HSL	301°, 25%, 60%
HSV	301°, 29%, 70%
XYZ	33.7566, 27.5610, 45.1366
YIQ	147.3620, 14.6210, 26.8850

Conversions

Conversions Part 2

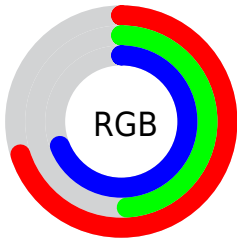
Format	Color
RYB	178, 126, 177
Decimal	11697841
CIELab	59.49, 28.70, -18.97
CIELCh	59, 34.402, 326.535
Yxy	27.5610, 0.3171, 0.2589
Android (android.graphics.Color)	4289887921 (0xFFB27EB1)
YUV	147.3620, 14.6115, 26.8695
Hunter-Lab	52.4986, 22.9032, -14.2266

Details

The Yxy color **27.5610, 0.3171, 0.2589** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.8089, 0.3081, 0.4108**, and the grayscale version is **29.2697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6158, 0.3162, 0.2716**, and **10.9092, 0.3170, 0.2379** is the 20% darker color. If you saturate the color by 10%, you get **23.3941, 0.3187, 0.2356**, and if you desaturate by 10%, it is **32.5403, 0.3155, 0.2831**.

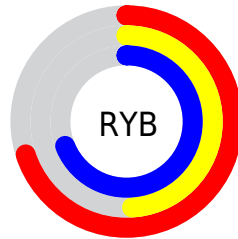
Distribution



Red (70%)

Green (49%)

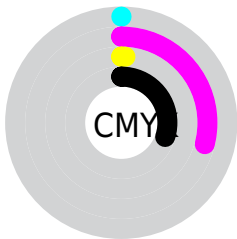
Blue (69%)



Red (70%)

Yellow (49%)

Blue (69%)

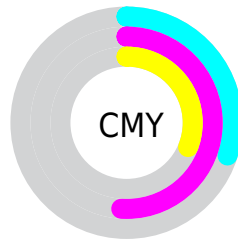


Cyan (0%)

Magenta (29%)

Yellow (1%)

Black (30%)



Cyan (30%)


Magenta (51%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5610, 0.3171, 0.2589 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 27.5610, 0.3171, 0.2589 by changing the saturation by 10% instead.


 27.5610, 0.3171,
0.2589

 27.5610, 0.3171,
0.2589


290.3632, 0.3155,
0.2949


 17.9950, 0.3172,
0.2496


 55.7828, 0.3167,
0.2722

 10.9464, 0.3173,
0.2376


 75.2074, 0.3165,
0.2771

 6.0308, 0.3170,
0.2214


 98.6869, 0.3163,
0.2813

 2.8638, 0.3159,
0.1984

126.6059, 0.3161,
0.2848

 1.0611, 0.3125,
0.1639

159.3486, 0.3160,
0.2879

 0.0000, 0.3328,
0.0000

197.2994, 0.3158,

 0.0000, 0.0000,

0.2905

0.0000

240.8428, 0.3157,
0.2929

■ 27.5610, 0.3171,
0.2589

■ 27.5610, 0.3171,
0.2589

■ 23.3941, 0.3187,
0.2356

■ 32.5403, 0.3155,
0.2831

■ 19.9930, 0.3202,
0.2140

■ 38.3681, 0.3140,
0.3072

■ 17.3120, 0.3217,
0.1950

■ 45.0829, 0.3126,
0.3308

■ 15.2990, 0.3230,
0.1796

■ 52.7194, 0.3113,
0.3533

■ 13.8952, 0.3241,
0.1681

■ 61.3109, 0.3101,
0.3745

■ 13.0310, 0.3250,
0.1608

■ 70.8887, 0.3090,
0.3940

■ 12.5754, 0.3257,
0.1571

■ 81.4828, 0.3080,
0.4120

■ 12.5439, 0.3257,
0.1568

■ 84.2693, 0.3076,
0.4159

■ 84.2832, 0.3074,
0.4155

Harmonies

Analogous

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



27.5610, 0.2630, 0.2410



27.5610, 0.3171, 0.2589



27.5610, 0.3748, 0.2919

Triad

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



27.5610, 0.3171, 0.2589



27.5610, 0.4031, 0.4161



27.5610, 0.2186, 0.3099

Complementary

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



27.5610, 0.3171, 0.2589



37.8089, 0.3081, 0.4108

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.



27.5610, 0.2503, 0.3680



27.5610, 0.3171, 0.2589



27.5610, 0.3564, 0.4335

Square

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



27.5610, 0.3171, 0.2589



27.5610, 0.4264, 0.3785



27.5610, 0.3003, 0.4168



27.5610, 0.2104, 0.2650

Rectangle

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



27.5610, 0.3171, 0.2589



27.5610, 0.4056, 0.3194



27.5610, 0.3003, 0.4168



27.5610, 0.2267, 0.3286

Sweetspot

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



27.5622, 0.3171, 0.2589



69.6413, 0.3140, 0.3074



22.6393, 0.2631, 0.2459



15.0691, 0.3142, 0.3039



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.



27.5622, 0.3171, 0.2589



44.9844, 0.3181, 0.2438



26.6265, 0.3458, 0.2930



8.6439, 0.3140, 0.3070



8.9765, 0.3257, 0.1568



0.2833, 0.3243, 0.1560

Inverse Universe

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



27.5622, 0.3171, 0.2589



44.9844, 0.3181, 0.2438



38.5721, 0.2889, 0.3682



8.6439, 0.3140, 0.3070



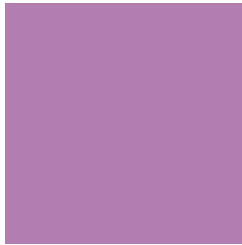
8.9765, 0.3257, 0.1568



0.2833, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 27.5610, 0.3171, 0.2589 looks on a white background.

Color Contrast Check

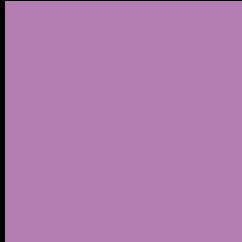
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5610, 0.3171, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

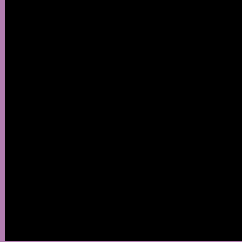
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5610, 0.3171, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 27.5610, 0.3171, 0.2589.



This preview shows how white text looks on a background with the Yxy color 27.5610, 0.3171, 0.2589.

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

27.5610, 0.3171, 0.2589

Protanopia

27.8021, 0.2618, 0.2589

Deuteranopia

27.5629, 0.2828, 0.2767



Tritanopia

27.6425, 0.3478, 0.3144

Trichromacy



Original Color

27.5610, 0.3171, 0.2589

Protanomaly

27.3649, 0.2796, 0.2579

Deuteranomaly

27.3917, 0.2945, 0.2697

Tritanomaly

27.4458, 0.3371, 0.2930

Monochromacy



Original Color

27.5610, 0.3171, 0.2589

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.2030, 0.3141, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5610, 0.3171, 0.2589 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, 126, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 126, 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(178, 126, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 126, 177) }
```

Border

The CSS property to change the border of an element to Yxy 27.5610, 0.3171, 0.2589 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, 126, 177) }
```

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

```
.border{ border-color:rgb(178, 126, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 126, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 126, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 126, 177);  
box-shadow:4px 4px 4px 4px rgb(178, 126,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5610, 0.3171, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 126, 177) }
```

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

```
.background{ background-color: rgb(178,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor