

Converting Colors

$Y_{xy}(21.4859, 0.3260, 0.2297)$

Have a look what the booklet for
Yxy(21.4859, 0.3260, 0.2297)
contains.

Yxy(21.4859, 0.3260, 0.2297)	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(21.4859, 0.3260, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	B363AC
RGB	179, 99, 172
RGB Percent	70%, 39%, 67%
CMY	0.2981, 0.6117, 0.3256
CMYK	0.00, 0.45, 0.04, 0.30
HSL	305°, 34%, 55%
HSV	305°, 45%, 70%
XYZ	30.4937, 21.4859, 41.5594
YIQ	131.2420, 24.2470, 39.6630

Conversions

Conversions Part 2

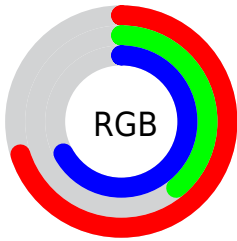
Format	Color
RYB	179, 99, 172
Decimal	11756460
CIELab	53.48, 42.82, -25.29
CIELCh	53, 49.729, 329.434
Yxy	21.4859, 0.3260, 0.2297
Android (android.graphics.Color)	4289946540 (0xFFB363AC)
YUV	131.2420, 20.0937, 41.8838
Hunter-Lab	46.3529, 36.3104, -20.7116

Details

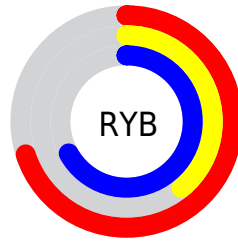
The Yxy color **21.4859, 0.3260, 0.2297** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.9277, 0.3017, 0.4541**, and the grayscale version is **22.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8908, 0.3237, 0.2483**, and **7.7309, 0.3281, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **18.4025, 0.3295, 0.2103**, and if you desaturate by 10%, it is **25.3235, 0.3226, 0.2511**.

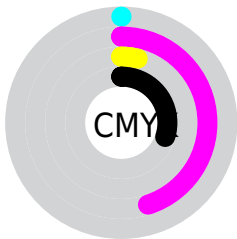
Distribution



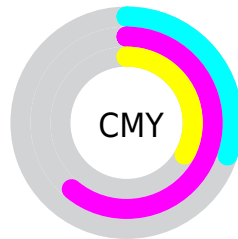
- Red (70%)
- Green (39%)
- Blue (67%)



- Red (70%)
- Yellow (39%)
- Blue (67%)



- Cyan (0%)
- Magenta (45%)
- Yellow (4%)
- Black (30%)





- Cyan (30%)
- Magenta (61%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4859, 0.3260, 0.2297 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 21.4859, 0.3260, 0.2297 by changing the saturation by 10% instead.


 21.4859, 0.3260,
0.2297


 21.4859, 0.3260,
0.2297


259.8496, 0.3203,
0.2811


 13.4796, 0.3270,
0.2164


 45.8948, 0.3242,
0.2487


 7.7597, 0.3279,
0.1993


 63.0663, 0.3235,
0.2558

 3.9415, 0.3285,
0.1763


 84.0616, 0.3228,
0.2617

 1.6409, 0.3279,
0.1443

 109.2651, 0.3222,
0.2667

 0.3850, 0.3288,
0.0817

139.0613, 0.3216,
0.2711

 0.0000, 0.2677,
0.0000

173.8345, 0.3211,

 0.0000, 0.0000,

0.2749

0.0000

213.9692, 0.3207,
0.2782

■ 21.4859, 0.3260,
0.2297

■ 21.4859, 0.3260,
0.2297

■ 18.4025, 0.3295,
0.2103

■ 25.3235, 0.3226,
0.2511

■ 16.0202, 0.3330,
0.1938

■ 29.9580, 0.3194,
0.2736

■ 14.2836, 0.3365,
0.1811


■ 35.4324, 0.3165,
0.2964


■ 13.1277, 0.3397,
0.1725

■ 41.7858, 0.3139,
0.3188

■ 12.4739, 0.3427,
0.1683

■ 49.0546, 0.3115,
0.3403

 12.2370, 0.3442,
0.1670

 57.2735, 0.3094,
0.3607

 66.4752, 0.3076,
0.3796

 76.6908, 0.3061,
0.3971

 84.6503, 0.3048,
0.4082

Harmonies

Analogous

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



21.4859, 0.2429, 0.2020



21.4859, 0.3260, 0.2297



21.4859, 0.4175, 0.2771

Triad

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



21.4859, 0.3260, 0.2297



21.4859, 0.4396, 0.4602



21.4859, 0.1702, 0.2861

Complementary

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



21.4859, 0.3260, 0.2297



35.9277, 0.3017, 0.4541

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.



21.4859, 0.2099, 0.3807



21.4859, 0.3260, 0.2297



21.4859, 0.3646, 0.4951

Square

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



21.4859, 0.3260, 0.2297



21.4859, 0.4847, 0.3998



21.4859, 0.2805, 0.4689



21.4859, 0.1638, 0.2246

Rectangle

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



21.4859, 0.3260, 0.2297



21.4859, 0.4642, 0.3157



21.4859, 0.2805, 0.4689



21.4859, 0.1796, 0.3149

Sweetspot

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



21.4869, 0.3260, 0.2297



65.0306, 0.3161, 0.2997



15.2263, 0.2362, 0.1944



13.8910, 0.3167, 0.2947



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.



21.4869, 0.3260, 0.2297



32.8507, 0.3296, 0.2099



20.1843, 0.3792, 0.2810



8.6336, 0.3150, 0.3085



8.6541, 0.3439, 0.1668



0.2760, 0.3368, 0.1629

Inverse Universe

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



21.4869, 0.3260, 0.2297



32.8507, 0.3296, 0.2099



36.9515, 0.2748, 0.3842



8.6336, 0.3150, 0.3085



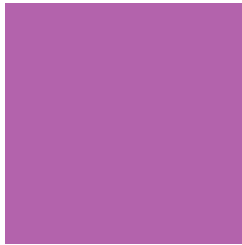
8.6541, 0.3439, 0.1668



0.2760, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 21.4859, 0.3260, 0.2297 looks on a white background.

Color Contrast Check

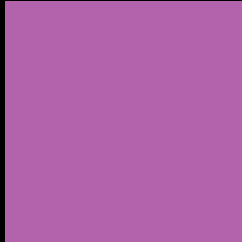
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4859, 0.3260, 0.2297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

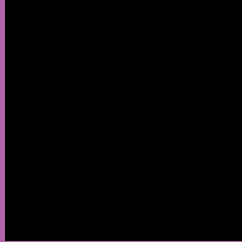
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4859, 0.3260, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 21.4859, 0.3260, 0.2297.



This preview shows how white text looks on a background with the Yxy color 21.4859, 0.3260, 0.2297.

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

21.4859, 0.3260, 0.2297

Protanopia

21.7752, 0.2335, 0.2219

Deuteranopia

21.7048, 0.2658, 0.2600



Tritanopia

21.5850, 0.3856, 0.3171

Trichromacy



Original Color

21.4859, 0.3260, 0.2297

Protanomaly

20.8991, 0.2607, 0.2222

Deuteranomaly

21.0181, 0.2846, 0.2452

Tritanomaly

21.4643, 0.3635, 0.2834

Monochromacy



Original Color

21.4859, 0.3260, 0.2297

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.5649, 0.3172, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4859, 0.3260, 0.2297 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(179, 99, 172)` looks like.

```
.text, #text, p{  
    color:rgb(179, 99, 172)  
}
```

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(179, 99, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 99, 172) }
```

Border

The CSS property to change the border of an element to Yxy 21.4859, 0.3260, 0.2297 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(179, 99, 172) }
```

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

```
.border{ border-color:rgb(179, 99, 172) }
```

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

Here you see how a box with a 4 pixel rgb(179, 99, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 99, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 99, 172);  
box-shadow:4px 4px 4px 4px rgb(179, 99,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4859, 0.3260, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 99, 172) }
```

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

```
.background{ background-color: rgb(179, 99,  
172) }
```

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