

Converting Colors

$Y_{xy}(28.1202, 0.3820, 0.2657)$

Have a look what the booklet for
Yxy(28.1202, 0.3820, 0.2657)
contains.

Yxy(28.0855, 0.3819, 0.2648)	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(28.0855, 0.3819, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	D96CA2
RGB	217, 108, 162
RGB Percent	85%, 42%, 64%
CMY	0.1489, 0.5765, 0.3647
CMYK	0.00, 0.50, 0.25, 0.15
HSL	330°, 59%, 64%
HSV	330°, 50%, 85%
XYZ	40.5055, 28.0855, 37.4721
YIQ	146.7470, 47.6300, 39.9020

Conversions

Conversions Part 2

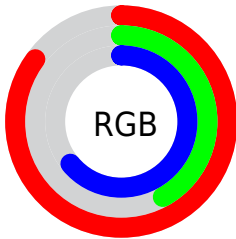
Format	Color
RYB	217, 108, 162
Decimal	14249122
CIELab	59.97, 48.83, -9.18
CIELCh	60, 49.682, 349.351
Yxy	28.0855, 0.3819, 0.2648
Android (android.graphics.Color)	4292439202 (0xFFD96CA2)
YUV	146.7470, 7.5197, 61.6119
Hunter-Lab	52.9958, 43.6878, -4.8256

Details

The Yxy color **28.0855, 0.3819, 0.2648** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.4706, 0.2756, 0.4065**, and the grayscale version is **29.0211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1104, 0.3492, 0.2729**, and **11.2291, 0.4048, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **23.6929, 0.4033, 0.2543**, and if you desaturate by 10%, it is **33.6539, 0.3632, 0.2771**.

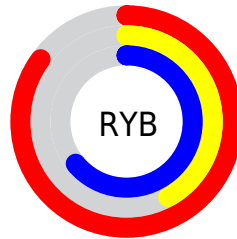
Distribution



Red (85%)

Green (42%)

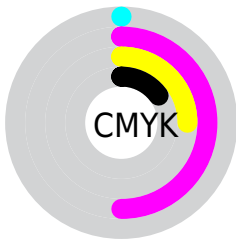
Blue (64%)



Red (85%)

Yellow (42%)

Blue (64%)

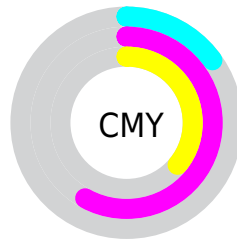


Cyan (0%)

Magenta (50%)

Yellow (25%)

Black (15%)



Cyan (15%)


Magenta (58%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0855, 0.3819, 0.2648 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 28.0855, 0.3819, 0.2648 by changing the saturation by 10% instead.


 28.0855, 0.3819,
0.2648


 28.0855, 0.3819,
0.2648


292.8752, 0.3453,
0.2980


 18.3901, 0.3917,
0.2562


 56.6209, 0.3681,
0.2771


 11.2304, 0.4047,
0.2450


 76.2297, 0.3631,
0.2817

 6.2220, 0.4228,
0.2297


 99.9118, 0.3589,
0.2855

 2.9806, 0.4494,
0.2080

 128.0516, 0.3553,
0.2887

 1.1216, 0.4922,
0.1748

161.0334, 0.3523,
0.2915

 0.0000, 0.6600,
0.0000

199.2417, 0.3496,

 0.0000, 1.0000,

0.2940

0.0000

243.0609, 0.3473,
0.2961

0.0000, 0.0000,
0.0000

28.0855, 0.3819,
0.2648

28.0855, 0.3819,
0.2648

23.6929, 0.4033,
0.2543

33.6539, 0.3632,
0.2771

20.3850, 0.4268,
0.2470

40.4721, 0.3471,
0.2903

18.0637, 0.4517,
0.2439

48.6128, 0.3336,
0.3036

16.6114, 0.4767,
0.2461

58.1419, 0.3223,
0.3165

15.8282, 0.5001,
0.2529

69.1210, 0.3129,
0.3287

■ 81.6078, 0.3052,
0.3402

■ 92.4876, 0.2988,
0.3458

■ 93.1534, 0.2929,
0.3344

■ 93.4956, 0.2900,
0.3289

Harmonies

Analogous

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



28.0855, 0.2975, 0.2257



28.0855, 0.3819, 0.2648



28.0855, 0.4511, 0.3177

Triad

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



28.0855, 0.3819, 0.2648



28.0855, 0.3873, 0.4756



28.0855, 0.1730, 0.2487

Complementary

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



28.0855, 0.3819, 0.2648



55.4706, 0.2756, 0.4065

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.



28.0855, 0.1897, 0.3174



28.0855, 0.3819, 0.2648



28.0855, 0.3102, 0.4710

Square

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



28.0855, 0.3819, 0.2648



28.0855, 0.4487, 0.4345



28.0855, 0.2379, 0.4063



28.0855, 0.1861, 0.2132

Rectangle

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



28.0855, 0.3819, 0.2648



28.0855, 0.4730, 0.3568



28.0855, 0.2379, 0.4063



28.0855, 0.1751, 0.2679

Sweetspot

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



28.0869, 0.3819, 0.2648



76.7956, 0.3275, 0.3102



23.4679, 0.2635, 0.1880



15.8213, 0.3300, 0.3075



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



28.0869, 0.3819, 0.2648



33.9691, 0.4039, 0.2541



26.5604, 0.4551, 0.3294



13.1586, 0.3215, 0.3175



9.6003, 0.4969, 0.2511



0.6393, 0.4605, 0.2311

Inverse Universe

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



28.0869, 0.3819, 0.2648



33.9691, 0.4039, 0.2541



57.8372, 0.2475, 0.3288



13.1586, 0.3215, 0.3175



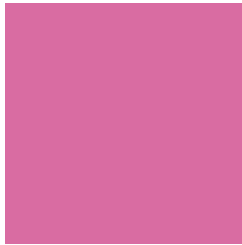
9.6003, 0.4969, 0.2511



0.6393, 0.4605, 0.2311

Previews

White Background



This preview shows how the Yxy color 28.0855, 0.3819, 0.2648 looks on a white background.

Color Contrast Check

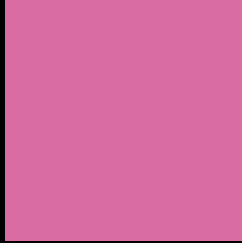
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0855, 0.3819, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

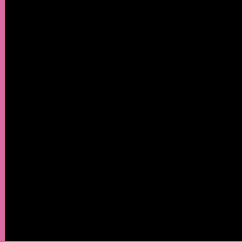
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0855, 0.3819, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 28.0855, 0.3819, 0.2648.



This preview shows how white text looks on a background with the Yxy color 28.0855, 0.3819, 0.2648.

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

28.0855, 0.3819, 0.2648

Protanopia

28.2584, 0.2661, 0.2637

Deuteranopia

28.3541, 0.3107, 0.3044



Tritanopia

28.0922, 0.4244, 0.3194

Trichromacy



Original Color

28.0855, 0.3819, 0.2648



Protanomaly

27.0321, 0.3019, 0.2614



Deuteranomaly

27.5508, 0.3351, 0.2864



Tritanomaly

27.9414, 0.4084, 0.2986

Monochromacy



Original Color

28.0855, 0.3819, 0.2648



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8127, 0.3365, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0855, 0.3819, 0.2648 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(217, 108, 162)` looks like.

```
.text, #text, p{  
    color:rgb(217, 108, 162)  
}
```

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(217, 108, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 108, 162) }
```

Border

The CSS property to change the border of an element to Yxy 28.0855, 0.3819, 0.2648 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(217, 108, 162) }
```

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

```
.border{ border-color:rgb(217, 108, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 108, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 108, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 108, 162); box-shadow:4px 4px 4px 4px rgb(217, 108, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0855, 0.3819, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 108, 162) }
```

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

```
.background{ background-color: rgb(217,  
108, 162) }
```

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