

Converting Colors

$Y_{xy}(28.7470, 0.3806, 0.2679)$

Have a look what the booklet for
Yxy(28.7470, 0.3806, 0.2679)
contains.

Yxy(28.7292, 0.3811, 0.2682)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.7292, 0.3811, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	D96FA2
RGB	217, 111, 162
RGB Percent	85%, 44%, 64%
CMY	0.1490, 0.5647, 0.3648
CMYK	0.00, 0.49, 0.25, 0.15
HSL	331°, 58%, 64%
HSV	331°, 49%, 85%
XYZ	40.8229, 28.7292, 37.5665
YIQ	148.5080, 46.8050, 38.3330

Conversions

Conversions Part 2

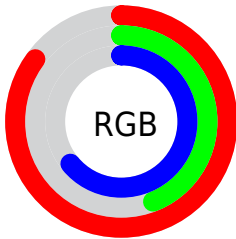
Format	Color
R_{YB}	217, 111, 162
Decimal	14249890
CIE _{Lab}	60.54, 47.32, -8.31
CIE _{LCh}	61, 48.048, 350.046
Yxy	28.7292, 0.3811, 0.2682
Android (android.graphics.Color)	4292439970 (0xFFD96FA2)
YUV	148.5080, 6.6516, 60.0675
Hunter-Lab	53.5996, 42.1510, -4.0350

Details

The Yxy color **28.7292, 0.3811, 0.2682** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.7670, 0.2755, 0.4016**, and the grayscale version is **29.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1800, 0.3487, 0.2759**, and **11.5228, 0.4037, 0.2497** is the 20% darker color. If you saturate the color by 10%, you get **24.1735, 0.4028, 0.2578**, and if you desaturate by 10%, it is **34.4738, 0.3621, 0.2803**.

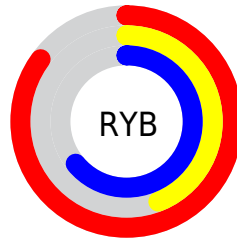
Distribution



Red (85%)

Green (44%)

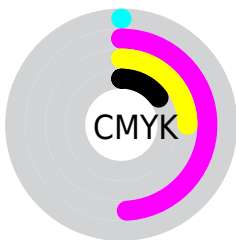
Blue (64%)



Red (85%)

Yellow (44%)

Blue (64%)

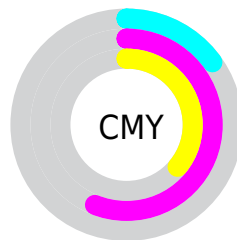


Cyan (0%)

Magenta (49%)

Yellow (25%)

Black (15%)



Cyan (15%)


Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7292, 0.3811, 0.2682 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 28.7292, 0.3811, 0.2682 by changing the saturation by 10% instead.


 28.7292, 0.3811,
0.2682


 28.7292, 0.3811,
0.2682


295.9351, 0.3449,
0.2997

 18.8761, 0.3908,
0.2600


 57.6466, 0.3675,
0.2799


 11.5808, 0.4036,
0.2494


 77.4796, 0.3625,
0.2842

 6.4589, 0.4215,
0.2349


 101.4080, 0.3584,
0.2878

 3.1261, 0.4477,
0.2142

 129.8162, 0.3549,
0.2909

 1.1979, 0.4899,
0.1825

163.0886, 0.3518,
0.2935

 0.0600, 0.6426,
0.0304

201.6097, 0.3492,

 0.0000, 1.0000,

0.2958

0.0000

245.7637, 0.3470,
0.2979

0.0000, 0.0000,
0.0000

28.7292, 0.3811,
0.2682

28.7292, 0.3811,
0.2682

24.1735, 0.4028,
0.2578

34.4738, 0.3621,
0.2803

20.7168, 0.4270,
0.2502

41.4803, 0.3460,
0.2932

18.2631, 0.4527,
0.2468

49.8207, 0.3324,
0.3061

16.6976, 0.4786,
0.2485


59.5602, 0.3211,
0.3185

15.8414, 0.5035,
0.2554


70.7598, 0.3117,
0.3303

 15.7607, 0.5064,
0.2563

 83.4770, 0.3040,
0.3413

 92.6152, 0.2976,
0.3435

 93.3088, 0.2915,
0.3319

 93.4939, 0.2900,
0.3289

Harmonies

Analogous

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



28.7292, 0.3001, 0.2298



28.7292, 0.3811, 0.2682



28.7292, 0.4467, 0.3199

Triad

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



28.7292, 0.3811, 0.2682



28.7292, 0.3835, 0.4705



28.7292, 0.1776, 0.2508

Complementary

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



28.7292, 0.3811, 0.2682



55.7670, 0.2755, 0.4016

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.



28.7292, 0.1934, 0.3164



28.7292, 0.3811, 0.2682



28.7292, 0.3091, 0.4638

Square

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



28.7292, 0.3811, 0.2682



28.7292, 0.4431, 0.4326



28.7292, 0.2396, 0.4011



28.7292, 0.1910, 0.2169

Rectangle

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



28.7292, 0.3811, 0.2682



28.7292, 0.4671, 0.3579



28.7292, 0.2396, 0.4011



28.7292, 0.1795, 0.2693

Sweetspot

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



28.7306, 0.3811, 0.2682



76.7634, 0.3279, 0.3108



24.4618, 0.2670, 0.1927



15.8136, 0.3304, 0.3081



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.



28.7306, 0.3811, 0.2682



34.4420, 0.4044, 0.2571



27.6598, 0.4479, 0.3315



13.1553, 0.3217, 0.3178



9.5604, 0.5030, 0.2545



0.6367, 0.4655, 0.2338

Inverse Universe

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



28.7306, 0.3811, 0.2682



34.4420, 0.4044, 0.2571



57.1169, 0.2483, 0.3265



13.1553, 0.3217, 0.3178



9.5604, 0.5030, 0.2545



0.6367, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 28.7292, 0.3811, 0.2682 looks on a white background.

Color Contrast Check

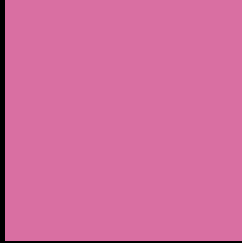
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7292, 0.3811, 0.2682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

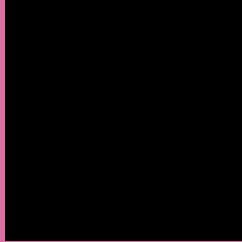
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7292, 0.3811, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 28.7292, 0.3811, 0.2682.



This preview shows how white text looks on a background with the Yxy color 28.7292, 0.3811, 0.2682.

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

28.7292, 0.3811, 0.2682

Protanopia

29.0299, 0.2705, 0.2699

Deuteranopia

28.8482, 0.3127, 0.3061



Tritanopia

28.7853, 0.4205, 0.3182

Trichromacy



Original Color

28.7292, 0.3811, 0.2682

Protanomaly

28.0166, 0.3050, 0.2674

Deuteranomaly

28.2008, 0.3359, 0.2894

Tritanomaly

28.6020, 0.4061, 0.2986

Monochromacy



Original Color

28.7292, 0.3811, 0.2682

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.6597, 0.3362, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7292, 0.3811, 0.2682 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, 111, 162)` looks like.

```
.text, #text, p{  
    color:rgb(217, 111, 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, 111, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 111, 162) }
```

Border

The CSS property to change the border of an element to Yxy 28.7292, 0.3811, 0.2682 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, 111, 162) }
```

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

```
.border{ border-color:rgb(217, 111, 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, 111, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 111, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 111, 162);  
box-shadow:4px 4px 4px 4px rgb(217, 111,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7292, 0.3811, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 111, 162) }
```

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

```
.background{ background-color: rgb(217,  
111, 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