

Converting Colors

$Y_{xy}(13.0800, 0.2799, 0.2333)$

Have a look what the booklet for
Yxy(13.0800, 0.2799, 0.2333)
contains.

Yxy(13.0800, 0.2799, 0.2333)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0800, 0.2799, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	735B8E
RGB	115, 91, 142
RGB Percent	45%, 36%, 56%
CMY	0.5491, 0.6431, 0.4431
CMYK	0.19, 0.36, 0.00, 0.44
HSL	268°, 22%, 46%
HSV	268°, 36%, 56%
XYZ	15.6926, 13.0800, 27.2925
YIQ	103.9900, -2.0670, 20.9490

Conversions

Conversions Part 2

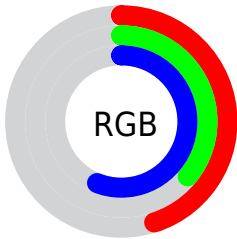
Format	Color
R_{YB}	115, 91, 142
Decimal	7560078
CIE _{Lab}	42.88, 20.49, -24.58
CIE _{LCh}	43, 32.000, 309.815
Yxy	13.0800, 0.2799, 0.2333
Android (android.graphics.Color)	4285750158 (0xFF735B8E)
YUV	103.9900, 18.7389, 9.6558
Hunter-Lab	36.1663, 14.1606, -19.4262

Details

The Yxy color **13.0800, 0.2799, 0.2333** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.9584, 0.3369, 0.4239**, and the grayscale version is **13.7900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3601, 0.2888, 0.2541**, and **3.7904, 0.2639, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **10.3884, 0.2680, 0.2040**, and if you desaturate by 10%, it is **16.2739, 0.2907, 0.2620**.

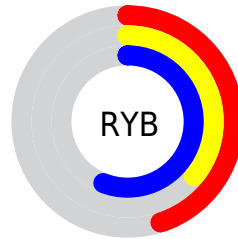
Distribution



Red (45%)

Green (36%)

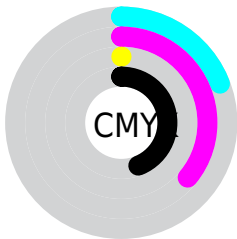
Blue (56%)



Red (45%)

Yellow (36%)

Blue (56%)

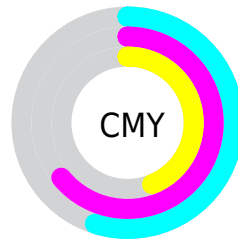


Cyan (19%)

Magenta (36%)

Yellow (0%)

Black (44%)



Cyan (55%)


Magenta (64%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0800, 0.2799, 0.2333 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 13.0800, 0.2799, 0.2333 by changing the saturation by 10% instead.


 13.0800, 0.2799,
0.2333


 13.0800, 0.2799,
0.2333


211.4297, 0.3004,
0.2876


 7.4837, 0.2728,
0.2173


 31.4474, 0.2886,
0.2548


 3.7664, 0.2623,
0.1952

 44.9873, 0.2915,
0.2623

 1.5438, 0.2449,
0.1632

 61.9438, 0.2937,
0.2684

 0.3192, 0.2195,
0.0872

 82.7014, 0.2956,
0.2736

 0.0000, 0.0000,
0.0000

 107.6443, 0.2971,
0.2779

137.1571, 0.2984,

0.2816

171.6241, 0.2995,
0.2848

■ 13.0800, 0.2799,
0.2333

■ 13.0800, 0.2799,
0.2333

■ 10.3884, 0.2680,
0.2040

■ 16.2739, 0.2907,
0.2620

■ 8.1703, 0.2551,
0.1753

■ 19.9932, 0.3002,
0.2894

■ 6.3969, 0.2416,
0.1485

■ 24.2618, 0.3084,
0.3149

■ 5.0349, 0.2281,
0.1249

■ 29.1015, 0.3155,
0.3383

■ 4.0464, 0.2152,
0.1059

■ 34.5328, 0.3214,
0.3596

■ 3.3751, 0.2033,
0.0920

■ 40.5753, 0.3265,
0.3787

■ 3.1381, 0.1987,
0.0868

■ 47.2477, 0.3307,
0.3959

■ 54.5677, 0.3342,
0.4112

■ 62.5526, 0.3371,
0.4249

Harmonies

Analogous

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



13.0800, 0.2269, 0.2240



13.0800, 0.2799, 0.2333



13.0800, 0.3486, 0.2622

Triad

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



13.0800, 0.2799, 0.2333



13.0800, 0.4390, 0.4065



13.0800, 0.2192, 0.3434

Complementary

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



13.0800, 0.2799, 0.2333



23.9584, 0.3369, 0.4239

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.



13.0800, 0.2689, 0.4128



13.0800, 0.2799, 0.2333



13.0800, 0.3963, 0.4450

Square

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



13.0800, 0.2799, 0.2333



13.0800, 0.4467, 0.3561



13.0800, 0.3337, 0.4520



13.0800, 0.1950, 0.2785

Rectangle

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



13.0800, 0.2799, 0.2333



13.0800, 0.3935, 0.2899



13.0800, 0.3337, 0.4520



13.0800, 0.2332, 0.3677

Sweetspot

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



13.0805, 0.2799, 0.2333



38.6546, 0.3042, 0.3016



17.1840, 0.2575, 0.2818



8.4406, 0.3032, 0.2986



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.0805, 0.2799, 0.2333



19.2064, 0.2705, 0.2100



15.0392, 0.3144, 0.2426



5.3715, 0.3059, 0.3068



2.8279, 0.1991, 0.0871



0.0400, 0.2486, 0.1143

Inverse Universe

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



14.5440, 0.3514, 0.2812



22.2639, 0.3635, 0.2705



22.4164, 0.3095, 0.4324



5.4688, 0.3204, 0.3174



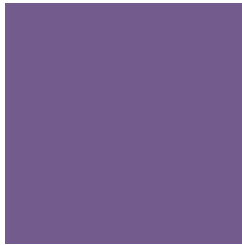
5.6262, 0.4783, 0.2408



0.0582, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 13.0800, 0.2799, 0.2333 looks on a white 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

Black Background



This preview shows how the Yxy color 13.0800, 0.2799, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

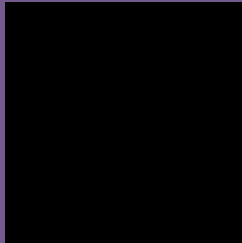
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0800, 0.2799, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 13.0800, 0.2799, 0.2333.



This preview shows how white text looks on a background with the Yxy color 13.0800, 0.2799, 0.2333.

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

13.0800, 0.2799, 0.2333

Protanopia

13.2156, 0.2400, 0.2310

Deuteranopia

13.1316, 0.2522, 0.2469



Tritanopia

13.0272, 0.3180, 0.3120

Trichromacy



Original Color

13.0800, 0.2799, 0.2333

Protanomaly

13.1115, 0.2534, 0.2326

Deuteranomaly

13.0691, 0.2607, 0.2413

Tritanomaly

12.8958, 0.3033, 0.2799

Monochromacy



Original Color

13.0800, 0.2799, 0.2333

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.4198, 0.3004, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0800, 0.2799, 0.2333 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(115, 91, 142)` looks like.

```
.text, #text, p{  
    color:rgb(115, 91, 142)  
}
```

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(115, 91, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 91, 142) }
```

Border

The CSS property to change the border of an element to Yxy 13.0800, 0.2799, 0.2333 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(115, 91, 142) }
```

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

```
.border{ border-color:rgb(115, 91, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 91, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 91, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 91, 142); box-shadow:4px 4px 4px 4px rgb(115, 91, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0800, 0.2799, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 91, 142) }
```

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

```
.background{ background-color: rgb(115, 91,  
142) }
```

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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