

Converting Colors

$Y_{xy}(13.3779, 0.3196, 0.2689)$

Have a look what the booklet for
Yxy(13.3779, 0.3196, 0.2689)
contains.

Yxy(13.3479, 0.3200, 0.2683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3479, 0.3200, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	7E5B7B
RGB	126, 91, 123
RGB Percent	49%, 36%, 48%
CMY	0.5059, 0.6431, 0.5176
CMYK	0.00, 0.28, 0.02, 0.51
HSL	305°, 16%, 43%
HSV	305°, 28%, 49%
XYZ	15.9200, 13.3479, 20.4820
YIQ	105.1130, 10.5880, 17.3720

Conversions

Conversions Part 2

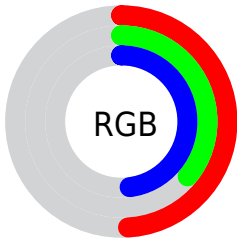
Format	Color
R_{YB}	126, 91, 123
Decimal	8280955
CIE _{Lab}	43.28, 20.09, -12.38
CIE _{LCh}	43, 23.597, 328.346
Yxy	13.3479, 0.3200, 0.2683
Android (android.graphics.Color)	4286471035 (0xFF7E5B7B)
YUV	105.1130, 8.8183, 18.3179
Hunter-Lab	36.5348, 13.8452, -7.6647

Details

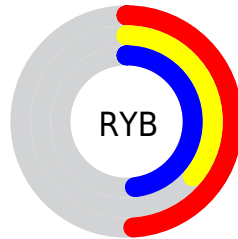
The Yxy color **13.3479, 0.3200, 0.2683** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.9509, 0.3061, 0.3983**, and the grayscale version is **14.1327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0643, 0.3180, 0.2824**, and **3.8323, 0.3219, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **11.3455, 0.3231, 0.2466**, and if you desaturate by 10%, it is **15.7135, 0.3171, 0.2905**.

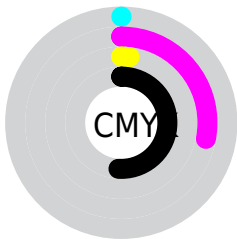
Distribution



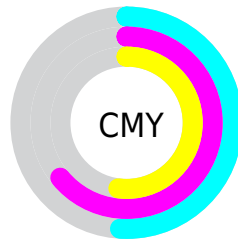
- Red (49%)
- Green (36%)
- Blue (48%)



- Red (49%)
- Yellow (36%)
- Blue (48%)



- Cyan (0%)
- Magenta (28%)
- Yellow (2%)
- Black (51%)




- Cyan (51%)
- Magenta (64%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3479, 0.3200, 0.2683 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 13.3479, 0.3200, 0.2683 by changing the saturation by 10% instead.


 13.3479, 0.3200,
0.2683

 13.3479, 0.3200,
0.2683


213.1354, 0.3162,
0.3034


 7.6685, 0.3209,
0.2575


 31.9274, 0.3186,
0.2824


 3.8836, 0.3220,
0.2420

 45.5963, 0.3181,
0.2873


 1.6087, 0.3230,
0.2182

 62.6973, 0.3177,
0.2913

 0.3634, 0.3353,
0.1458

 83.6146, 0.3173,
0.2945

 0.0000, 0.0000,
0.0000

 108.7326, 0.3170,
0.2973

138.4359, 0.3167,

0.2996

173.1087, 0.3165,
0.3016

■ 13.3479, 0.3200,
0.2683

■ 13.3479, 0.3200,
0.2683

■ 11.3455, 0.3231,
0.2466

■ 15.7135, 0.3171,
0.2905

■ 9.6863, 0.3263,
0.2260

■ 18.4573, 0.3146,
0.3124

■ 8.3515, 0.3296,
0.2076

■ 21.5956, 0.3122,
0.3337

■ 7.3195, 0.3330,
0.1920

■ 25.1432, 0.3102,
0.3539

■ 6.5660, 0.3362,
0.1799

■ 29.1143, 0.3083,
0.3728

6.0631, 0.3392,
0.1719

33.5222, 0.3068,
0.3904

5.7459, 0.3421,
0.1672

38.3797, 0.3054,
0.4066

5.6793, 0.3427,
0.1662

43.6992, 0.3042,
0.4214

49.4925, 0.3032,
0.4350

Harmonies

Analogous

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



13.3479, 0.2718, 0.2514



13.3479, 0.3200, 0.2683



13.3479, 0.3698, 0.2986

Triad

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



13.3479, 0.3200, 0.2683



13.3479, 0.3905, 0.4075



13.3479, 0.2286, 0.3101

Complementary

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



13.3479, 0.3200, 0.2683



17.9509, 0.3061, 0.3983

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.



13.3479, 0.2559, 0.3600



13.3479, 0.3200, 0.2683



13.3479, 0.3488, 0.4199

Square

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



13.3479, 0.3200, 0.2683



13.3479, 0.4118, 0.3759



13.3479, 0.2995, 0.4028



13.3479, 0.2223, 0.2714

Rectangle

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



13.3479, 0.3200, 0.2683



13.3479, 0.3956, 0.3235



13.3479, 0.2995, 0.4028



13.3479, 0.2354, 0.3262

Sweetspot

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



13.3485, 0.3200, 0.2683



32.2782, 0.3147, 0.3115



11.3648, 0.2706, 0.2539



7.1918, 0.3150, 0.3087



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.3485, 0.3200, 0.2683



21.3088, 0.3218, 0.2552



12.9499, 0.3462, 0.3004



4.4063, 0.3149, 0.3095



5.8272, 0.3427, 0.1662



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3485, 0.3200, 0.2683



21.3088, 0.3218, 0.2552



18.3000, 0.2882, 0.3596



4.4063, 0.3149, 0.3095



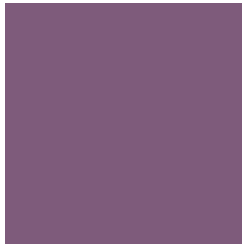
5.8272, 0.3427, 0.1662



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.3479, 0.3200, 0.2683 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 13.3479, 0.3200, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

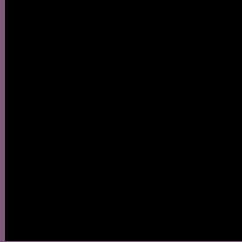
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3479, 0.3200, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 13.3479, 0.3200, 0.2683.



This preview shows how white text looks on a background with the Yxy color 13.3479, 0.3200, 0.2683.

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

13.3479, 0.3200, 0.2683

Protanopia

13.3520, 0.2694, 0.2684

Deuteranopia

13.3784, 0.2898, 0.2850



Tritanopia

13.3547, 0.3458, 0.3151

Trichromacy



Original Color

13.3479, 0.3200, 0.2683

Protanomaly

13.1459, 0.2863, 0.2679

Deuteranomaly

13.3340, 0.2994, 0.2783

Tritanomaly

13.4163, 0.3355, 0.2975

Monochromacy



Original Color

13.3479, 0.3200, 0.2683

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7949, 0.3153, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3479, 0.3200, 0.2683 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(126, 91, 123)` looks like.

```
.text, #text, p{  
    color:rgb(126, 91, 123)  
}
```

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(126, 91, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 91, 123) }
```

Border

The CSS property to change the border of an element to Yxy 13.3479, 0.3200, 0.2683 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(126, 91, 123) }
```

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

```
.border{ border-color:rgb(126, 91, 123) }
```

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

Here you see how a box with a 4 pixel rgb(126, 91, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 91, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 91, 123);  
box-shadow:4px 4px 4px 4px rgb(126, 91,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3479, 0.3200, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 91, 123) }
```

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

```
.background{ background-color: rgb(126, 91,  
123) }
```

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