

Converting Colors

$Y_{xy}(13.2705, 0.3167, 0.2586)$

Have a look what the booklet for
Yxy(13.2705, 0.3167, 0.2586)
contains.

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Color

Yxy(13.1891, 0.3160, 0.2580)

Conversions

Conversions Part 1

Format	Color
Hex	7F597F
RGB	127, 89, 127
RGB Percent	50%, 35%, 50%
CMY	0.5020, 0.6509, 0.5019
CMYK	0.00, 0.30, 0.00, 0.50
HSL	300°, 18%, 42%
HSV	300°, 30%, 50%
XYZ	16.1541, 13.1891, 21.7774
YIQ	104.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

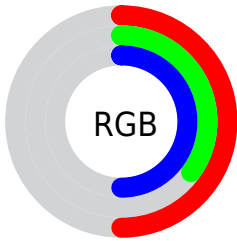
Format	Color
RYB	127, 89, 127
Decimal	8345983
CIELab	43.05, 22.45, -15.16
CIELCh	43, 27.087, 325.973
Yxy	13.1891, 0.3160, 0.2580
Android (android.graphics.Color)	4286536063 (0xFF7F597F)
YUV	104.6940, 10.9969, 19.5624
Hunter-Lab	36.3168, 15.8443, -10.1315

Details

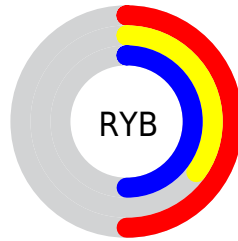
The Yxy color **13.1891, 0.3160, 0.2580** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.0295, 0.3089, 0.4119**, and the grayscale version is **14.0075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7548, 0.3153, 0.2747**, and **3.7838, 0.3150, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **11.2540, 0.3171, 0.2350**, and if you desaturate by 10%, it is **15.4902, 0.3149, 0.2819**.

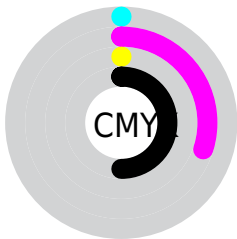
Distribution



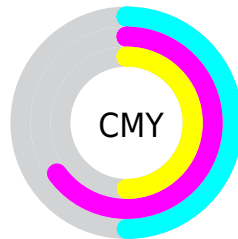
- Red (50%)
- Green (35%)
- Blue (50%)



- Red (50%)
- Yellow (35%)
- Blue (50%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (50%)





- Cyan (50%)
- Magenta (65%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1891, 0.3160, 0.2580 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 13.1891, 0.3160, 0.2580 by changing the saturation by 10% instead.


 13.1891, 0.3160,
0.2580


 13.1891, 0.3160,
0.2580


212.1261, 0.3148,
0.2988


 7.5589, 0.3159,
0.2456


 31.6431, 0.3158,
0.2743


 3.8140, 0.3155,
0.2280

 45.2357, 0.3156,
0.2800

 1.5701, 0.3139,
0.2014

 62.2512, 0.3155,
0.2846

 0.3373, 0.3205,
0.1244

 83.0739, 0.3153,
0.2884

 0.0000, 0.0000,
0.0000

 108.0884, 0.3152,
0.2916

137.6790, 0.3150,

0.2944

172.2301, 0.3149,
0.2967

■ 13.1891, 0.3160,
0.2580

■ 13.1891, 0.3160,
0.2580

■ 11.2540, 0.3171,
0.2350

■ 15.4902, 0.3149,
0.2819

■ 9.6643, 0.3180,
0.2136

■ 18.1728, 0.3138,
0.3058

■ 8.4003, 0.3189,
0.1947

■ 21.2539, 0.3127,
0.3292

■ 7.4394, 0.3196,
0.1791

■ 24.7487, 0.3117,
0.3516

■ 6.7562, 0.3201,
0.1673

■ 28.6718, 0.3107,
0.3727

■ 6.3212, 0.3205,
0.1594

■ 33.0371, 0.3098,
0.3923

■ 6.0398, 0.3207,
0.1541

■ 37.8576, 0.3089,
0.4104

■ 6.0376, 0.3207,
0.1540

■ 43.1460, 0.3082,
0.4269

■ 48.9146, 0.3075,
0.4420

Harmonies

Analogous

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



13.1891, 0.2618, 0.2403



13.1891, 0.3160, 0.2580



13.1891, 0.3742, 0.2909

Triad

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



13.1891, 0.3160, 0.2580



13.1891, 0.4044, 0.4160



13.1891, 0.2184, 0.3107

Complementary

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



13.1891, 0.3160, 0.2580



18.0295, 0.3089, 0.4119

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.



13.1891, 0.2507, 0.3693



13.1891, 0.3160, 0.2580



13.1891, 0.3576, 0.4342

Square

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



13.1891, 0.3160, 0.2580



13.1891, 0.4272, 0.3779



13.1891, 0.3012, 0.4181



13.1891, 0.2097, 0.2652

Rectangle

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



13.1891, 0.3160, 0.2580



13.1891, 0.4055, 0.3185



13.1891, 0.3012, 0.4181



13.1891, 0.2267, 0.3297

Sweetspot

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



13.1897, 0.3160, 0.2580



32.9020, 0.3137, 0.3075



10.9093, 0.2628, 0.2476



7.5516, 0.3139, 0.3045



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.1897, 0.3160, 0.2580



21.1432, 0.3167, 0.2419



12.7559, 0.3436, 0.2908



4.4122, 0.3137, 0.3077



6.0877, 0.3207, 0.1540



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3814, 0.3757, 0.3291



19.4479, 0.3968, 0.3292



18.3760, 0.2902, 0.3707



4.3443, 0.3278, 0.3290



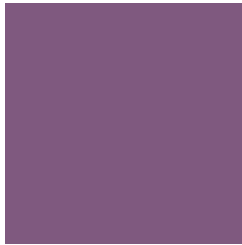
4.5507, 0.6399, 0.3299



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.1891, 0.3160, 0.2580 looks on a white background.

Color Contrast Check

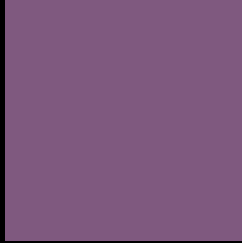
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1891, 0.3160, 0.2580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

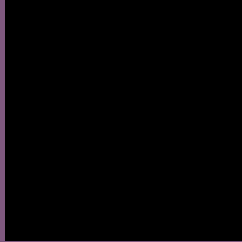
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1891, 0.3160, 0.2580

Background



This preview shows how black text looks on a background with the Yxy color 13.1891, 0.3160, 0.2580.



This preview shows how white text looks on a background with the Yxy color 13.1891, 0.3160, 0.2580.

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

13.1891, 0.3160, 0.2580

Protanopia

13.3319, 0.2607, 0.2586

Deuteranopia

13.3043, 0.2811, 0.2767



Tritanopia

13.1559, 0.3477, 0.3150

Trichromacy



Original Color

13.1891, 0.3160, 0.2580

Protanomaly

13.2186, 0.2791, 0.2586

Deuteranomaly

13.1871, 0.2929, 0.2686

Tritanomaly

13.0652, 0.3360, 0.2936

Monochromacy



Original Color

13.1891, 0.3160, 0.2580

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.6266, 0.3141, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1891, 0.3160, 0.2580 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(127, 89, 127)` looks like.

```
.text, #text, p{  
  color:rgb(127, 89, 127)  
}
```

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(127, 89, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 89, 127) }
```

Border

The CSS property to change the border of an element to Yxy 13.1891, 0.3160, 0.2580 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(127, 89, 127) }
```

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

```
.border{ border-color:rgb(127, 89, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 89, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 89, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 89, 127);  
box-shadow:4px 4px 4px 4px rgb(127, 89,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1891, 0.3160, 0.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 89, 127) }
```

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

```
.background{ background-color: rgb(127, 89,  
127) }
```

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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