

Converting Colors

$Y_{xy}(13.2902, 0.3144, 0.2807)$

Have a look what the booklet for
Yxy(13.2902, 0.3144, 0.2807)
contains.

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Color

Yxy(13.1889, 0.3136, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	765E77
RGB	118, 94, 119
RGB Percent	46%, 37%, 47%
CMY	0.5372, 0.6314, 0.5334
CMYK	0.01, 0.21, 0.00, 0.53
HSL	298°, 12%, 42%
HSV	298°, 21%, 47%
XYZ	14.8033, 13.1889, 19.2122
YIQ	104.0260, 6.2790, 12.8630

Conversions

Conversions Part 2

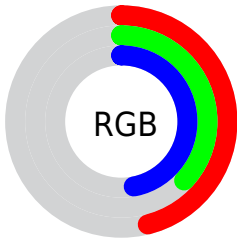
Format	Color
R_{YB}	118, 94, 119
Decimal	7757431
CIE _{Lab}	43.05, 14.50, -10.37
CIE _{LCh}	43, 17.831, 324.431
Yxy	13.1889, 0.3136, 0.2794
Android (android.graphics.Color)	4285947511 (0xFF765E77)
YUV	104.0260, 7.3822, 12.2552
Hunter-Lab	36.3165, 9.2060, -5.9440

Details

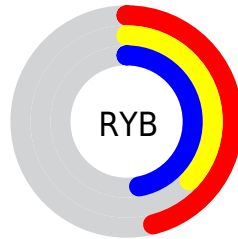
The Yxy color **13.1889, 0.3136, 0.2794** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.4292, 0.3114, 0.3837**, and the grayscale version is **13.8296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7371, 0.3134, 0.2921**, and **3.8340, 0.3112, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **11.2015, 0.3139, 0.2555**, and if you desaturate by 10%, it is **15.5039, 0.3132, 0.3034**.

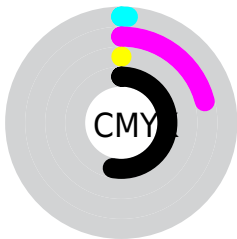
Distribution



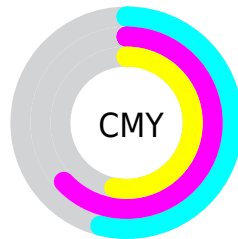
- Red (46%)
- Green (37%)
- Blue (47%)



- Red (46%)
- Yellow (37%)
- Blue (47%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (53%)





- Cyan (54%)
- Magenta (63%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1889, 0.3136, 0.2794 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 13.1889, 0.3136, 0.2794 by changing the saturation by 10% instead.


 13.1889, 0.3136,
0.2794


 13.1889, 0.3136,
0.2794


212.1248, 0.3134,
0.3084


 7.5588, 0.3134,
0.2702


 31.6427, 0.3137,
0.2912


 3.8139, 0.3130,
0.2570

 45.2352, 0.3136,
0.2952

 1.5700, 0.3118,
0.2361

 62.2506, 0.3136,
0.2985

 0.3373, 0.3197,
0.1598

 83.0733, 0.3136,
0.3012

 0.0000, 0.0000,
0.0000

108.0876, 0.3135,
0.3034

137.6781, 0.3135,

0.3053

172.2290, 0.3135,
0.3070

■ 13.1889, 0.3136,
0.2794

■ 13.1889, 0.3136,
0.2794

■ 11.2015, 0.3139,
0.2555

■ 15.5039, 0.3132,
0.3034

■ 9.5250, 0.3140,
0.2323

■ 18.1586, 0.3128,
0.3267

■ 8.1439, 0.3140,
0.2106

■ 21.1668, 0.3123,
0.3491

■ 7.0408, 0.3138,
0.1914

■ 24.5409, 0.3117,
0.3701

■ 6.1964, 0.3135,
0.1754

■ 28.2927, 0.3112,
0.3897

■ 5.5887, 0.3129,
0.1631

■ 32.4336, 0.3106,
0.4077

■ 5.1925, 0.3123,
0.1547

■ 36.9743, 0.3101,
0.4242

■ 4.9314, 0.3115,
0.1490

■ 41.9252, 0.3096,
0.4392

■ 47.2965, 0.3091,
0.4528

Harmonies

Analogous

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



13.1889, 0.2774, 0.2679



13.1889, 0.3136, 0.2794



13.1889, 0.3516, 0.3022

Triad

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



13.1889, 0.3136, 0.2794



13.1889, 0.3755, 0.3872



13.1889, 0.2497, 0.3202

Complementary

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



13.1889, 0.3136, 0.2794



16.4292, 0.3114, 0.3837

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.



13.1889, 0.2733, 0.3572



13.1889, 0.3136, 0.2794



13.1889, 0.3458, 0.3973

Square

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



13.1889, 0.3136, 0.2794



13.1889, 0.3885, 0.3626



13.1889, 0.3082, 0.3867



13.1889, 0.2423, 0.2888

Rectangle

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



13.1889, 0.3136, 0.2794



13.1889, 0.3722, 0.3216



13.1889, 0.3082, 0.3867



13.1889, 0.2560, 0.3325

Sweetspot

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



13.1895, 0.3136, 0.2794



29.9968, 0.3130, 0.3148



11.9413, 0.2797, 0.2769



7.0536, 0.3130, 0.3136



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.1895, 0.3136, 0.2794



21.9023, 0.3137, 0.2682



13.0039, 0.3312, 0.3012



3.7510, 0.3131, 0.3080



5.2401, 0.3115, 0.1490



25.4458, 0.3110, 0.1487

Inverse Universe

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



12.7525, 0.3507, 0.3271



20.9795, 0.3616, 0.3266



16.5940, 0.2976, 0.3586



3.7030, 0.3270, 0.3282



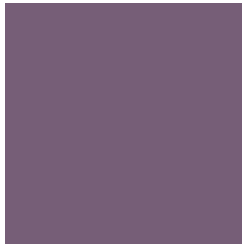
4.1773, 0.6334, 0.3263



20.3269, 0.6373, 0.3284

Previews

White Background



This preview shows how the Yxy color 13.1889, 0.3136, 0.2794 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 13.1889, 0.3136, 0.2794 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 13.1889, 0.3136, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 13.1889, 0.3136, 0.2794.



This preview shows how white text looks on a background with the Yxy color 13.1889, 0.3136, 0.2794.

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

13.1889, 0.3136, 0.2794

Protanopia

13.3040, 0.2786, 0.2803

Deuteranopia

13.1747, 0.2948, 0.2890



Tritanopia

13.2619, 0.3315, 0.3146

Trichromacy



Original Color

13.1889, 0.3136, 0.2794

Protanomaly

13.1438, 0.2911, 0.2792

Deuteranomaly

13.1086, 0.3018, 0.2856

Tritanomaly

13.2518, 0.3260, 0.3025

Monochromacy



Original Color

13.1889, 0.3136, 0.2794

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.4697, 0.3136, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1889, 0.3136, 0.2794 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(118, 94, 119)` looks like.

```
.text, #text, p{  
    color:rgb(118, 94, 119)  
}
```

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(118, 94, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 119) }
```

Border

The CSS property to change the border of an element to Yxy 13.1889, 0.3136, 0.2794 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(118, 94, 119) }
```

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

```
.border{ border-color:rgb(118, 94, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 94, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 94, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 94, 119); box-shadow:4px 4px 4px 4px rgb(118, 94, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1889, 0.3136, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 94, 119) }
```

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

```
.background{ background-color: rgb(118, 94,  
119) }
```

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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