

Converting Colors

$Y_{xy}(17.8022, 0.4771, 0.2402)$

Have a look what the booklet for
Yxy(17.8022, 0.4771, 0.2402)
contains.

Yxy(17.8116, 0.4770, 0.2402)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.8116, 0.4770, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	E3007D
RGB	227, 0, 125
RGB Percent	89%, 0%, 49%
CMY	0.1099, 0.9987, 0.5099
CMYK	0.00, 1.00, 0.45, 0.11
HSL	327°, 100%, 45%
HSV	327°, 100%, 89%
XYZ	35.3711, 17.8116, 20.9705
YIQ	82.1230, 95.1670, 86.9990

Conversions

Conversions Part 2

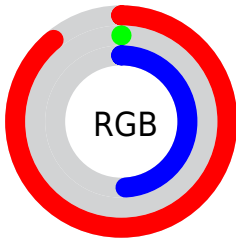
Format	Color
R _Y B	227, 0, 125
Decimal	14876797
CIE Lab	49.27, 78.32, -2.97
CIE LCh	49, 78.378, 357.828
Yxy	17.8116, 0.4770, 0.2402
Android (android.graphics.Color)	4293066877 (0xFFE3007D)
YUV	82.1230, 21.1384, 127.0571
Hunter-Lab	42.2038, 75.7446, 0.0822

Details

The Yxy color **17.8116, 0.4770, 0.2402** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **55.8863, 0.2776, 0.5192**, and the grayscale version is **8.4453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4397, 0.4070, 0.2483**, and **8.5211, 0.5107, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **17.8014, 0.4773, 0.2403**, and if you desaturate by 10%, it is **18.6940, 0.4560, 0.2344**.

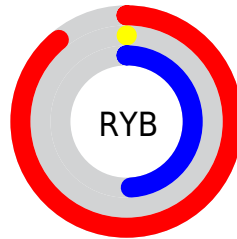
Distribution



Red (89%)

Green (0%)

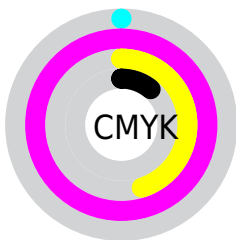
Blue (49%)



Red (89%)

Yellow (0%)

Blue (49%)

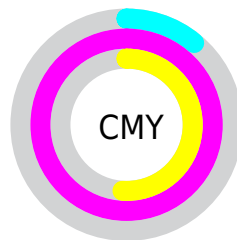


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8116, 0.4770, 0.2402 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 17.8116, 0.4770, 0.2402 by changing the saturation by 10% instead.


 17.8116, 0.4770,
0.2402


 17.8116, 0.4770,
0.2402


239.8070, 0.3840,
0.2898


 10.8148, 0.5041,
0.2260


 39.7160, 0.4404,
0.2595


 5.9424, 0.5412,
0.2069


 55.3925, 0.4275,
0.2664


 2.8101, 0.5944,
0.1798


 74.7309, 0.4169,
0.2721

 1.0334, 0.6748,
0.1397

 98.1157, 0.4081,
0.2768

 0.0000, 0.9502,
0.0000

 125.9314, 0.4007,
0.2808

 0.0000, 1.0000,
0.0000

 158.5622, 0.3943,

 0.0000, 0.0000,

0.2842

0.0000

196.3926, 0.3888,
0.2872

■ 17.8116, 0.4770,
0.2402

■ 17.8116, 0.4770,
0.2402

■ 17.8014, 0.4773,
0.2403

■ 18.6940, 0.4560,
0.2344

■ 20.3151, 0.4343,
0.2336

■ 22.8987, 0.4128,
0.2379

■ 26.5755, 0.3924,
0.2466

■ 31.4555, 0.3738,
0.2584

■ 37.6354, 0.3574,
0.2721

■ 45.2016, 0.3432,
0.2866

■ 54.2333, 0.3311,
0.3013

■ 64.8036, 0.3210,
0.3156

Harmonies

Analogous

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



17.8116, 0.3204, 0.1786



17.8116, 0.4770, 0.2402



17.8116, 0.5796, 0.3150

Triad

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



17.8116, 0.4770, 0.2402



17.8116, 0.3708, 0.5926



17.8116, 0.0985, 0.1678

Complementary

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



17.8116, 0.4770, 0.2402



55.8863, 0.2776, 0.5192

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.



17.8116, 0.1032, 0.2538



17.8116, 0.4770, 0.2402



17.8116, 0.2502, 0.5899

Square

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



17.8116, 0.4770, 0.2402



17.8116, 0.4888, 0.4983



17.8116, 0.1512, 0.4234



17.8116, 0.1273, 0.1383

Rectangle

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



17.8116, 0.4770, 0.2402



17.8116, 0.5860, 0.3686



17.8116, 0.1512, 0.4234



17.8116, 0.0962, 0.1885

Sweetspot

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



17.8126, 0.4770, 0.2402



58.4980, 0.3436, 0.2861



8.1783, 0.1889, 0.0815



11.5832, 0.3494, 0.2799



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.



17.8126, 0.4770, 0.2402



23.1609, 0.4785, 0.2410



16.3681, 0.6342, 0.3268



14.5000, 0.3207, 0.3161



10.4094, 0.4743, 0.2387



0.7879, 0.4458, 0.2229

Inverse Universe

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



17.8126, 0.4770, 0.2402



23.1609, 0.4785, 0.2410



59.6669, 0.2305, 0.3497



14.5000, 0.3207, 0.3161



10.4094, 0.4743, 0.2387



0.7879, 0.4458, 0.2229

Previews

White Background



This preview shows how the Yxy color 17.8116, 0.4770, 0.2402 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 17.8116, 0.4770, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

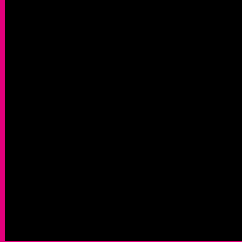
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8116, 0.4770, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 17.8116, 0.4770, 0.2402.



This preview shows how white text looks on a background with the Yxy color 17.8116, 0.4770, 0.2402.

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

17.8116, 0.4770, 0.2402

Protanopia

18.5593, 0.2330, 0.2214

Deuteranopia

18.4048, 0.3351, 0.3291



Tritanopia

18.1995, 0.5826, 0.3298

Trichromacy



Original Color

17.8116, 0.4770, 0.2402



Protanomaly

13.4995, 0.2966, 0.1966



Deuteranomaly

14.3125, 0.3934, 0.2601



Tritanomaly

17.4161, 0.5555, 0.2968

Monochromacy



Original Color

17.8116, 0.4770, 0.2402



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.4887, 0.3902, 0.2468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8116, 0.4770, 0.2402 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(227, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 125)  
}
```

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(227, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 125) }
```

Border

The CSS property to change the border of an element to Yxy 17.8116, 0.4770, 0.2402 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(227, 0, 125) }
```

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

```
.border{ border-color:rgb(227, 0, 125) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8116, 0.4770, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 125) }
```

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

```
.background{ background-color: rgb(227, 0,  
125) }
```

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