

Converting Colors

$Y_{xy}(17.9246, 0.4683, 0.2354)$

Have a look what the booklet for
Yxy(17.9246, 0.4683, 0.2354)
contains.

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Color

Yxy(17.9426, 0.4677, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	E30082
RGB	227, 0, 130
RGB Percent	89%, 0%, 51%
CMY	0.1098, 1.0000, 0.4902
CMYK	0.00, 1.00, 0.43, 0.11
HSL	326°, 100%, 45%
HSV	326°, 100%, 89%
XYZ	35.7096, 17.9426, 22.6993
YIQ	82.6930, 93.5620, 88.5540

Conversions

Conversions Part 2

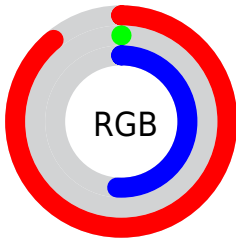
Format	Color
R_{YB}	227, 0, 130
Decimal	14876802
CIE _{Lab}	49.43, 78.78, -5.79
CIE _{LCh}	49, 78.990, 355.800
Yxy	17.9426, 0.4677, 0.2350
Android (android.graphics.Color)	4293066882 (0xFFE30082)
YUV	82.6930, 23.3224, 126.5572
Hunter-Lab	42.3587, 76.3528, -2.1214

Details

The Yxy color **17.9426, 0.4677, 0.2350** 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 **55.8058, 0.2796, 0.5267**, and the grayscale version is **8.5227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6843, 0.3992, 0.2426**, and **8.5934, 0.4980, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **17.9438, 0.4677, 0.2350**, and if you desaturate by 10%, it is **18.8177, 0.4480, 0.2298**.

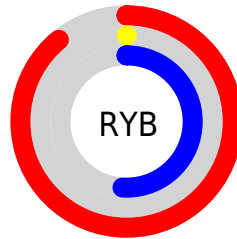
Distribution



Red (89%)

Green (0%)

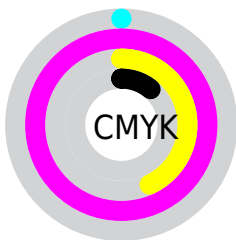
Blue (51%)



Red (89%)

Yellow (0%)

Blue (51%)

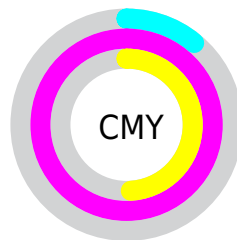


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (11%)



Cyan (11%)

Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9426, 0.4677, 0.2350 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 17.9426, 0.4677, 0.2350 by changing the saturation by 10% instead.


 17.9426, 0.4677,
0.2350


 17.9426, 0.4677,
0.2350


240.5473, 0.3804,
0.2867


 10.9088, 0.4929,
0.2206


 39.9395, 0.4335,
0.2549


 6.0055, 0.5274,
0.2012


 55.6714, 0.4214,
0.2621


 2.8484, 0.5769,
0.1742

 75.0714, 0.4115,
0.2680

 1.0531, 0.6517,
0.1350

 98.5239, 0.4032,
0.2729

 0.0000, 0.8742,
0.0000

 126.4134, 0.3962,
0.2772

 0.0000, 1.0000,
0.0000

 159.1242, 0.3902,

 0.0000, 0.0000,

0.2808

0.0000

197.0407, 0.3850,
0.2840

■ 17.9426, 0.4677,
0.2350

■ 17.9426, 0.4677,
0.2350

■ 17.9438, 0.4677,
0.2350

■ 18.8177, 0.4480,
0.2298

■ 20.4225, 0.4278,
0.2293

■ 22.9855, 0.4076,
0.2341

■ 26.6379, 0.3885,
0.2432

■ 31.4898, 0.3710,
0.2555

■ 37.6379, 0.3554,
0.2696

■ 45.1689, 0.3419,
0.2847

■ 54.1618, 0.3305,
0.3000

■ 64.6899, 0.3208,
0.3148

Harmonies

Analogous

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



17.9426, 0.3103, 0.1747



17.9426, 0.4677, 0.2350



17.9426, 0.5774, 0.3094

Triad

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



17.9426, 0.4677, 0.2350



17.9426, 0.3789, 0.5888



17.9426, 0.0971, 0.1708

Complementary

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



17.9426, 0.4677, 0.2350



55.8058, 0.2796, 0.5267

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.



17.9426, 0.1042, 0.2621



17.9426, 0.4677, 0.2350



17.9426, 0.2576, 0.5974

Square

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



17.9426, 0.4677, 0.2350



17.9426, 0.4963, 0.4913



17.9426, 0.1556, 0.4375



17.9426, 0.1236, 0.1384

Rectangle

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



17.9426, 0.4677, 0.2350



17.9426, 0.5886, 0.3626



17.9426, 0.1556, 0.4375



17.9426, 0.0955, 0.1929

Sweetspot

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



17.9438, 0.4677, 0.2350



58.5906, 0.3422, 0.2844



7.9573, 0.1859, 0.0798



11.6052, 0.3477, 0.2780



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.



17.9438, 0.4677, 0.2350



23.3362, 0.4689, 0.2356



16.3789, 0.6325, 0.3258



14.5056, 0.3203, 0.3156



10.4879, 0.4649, 0.2335



0.7935, 0.4381, 0.2187

Inverse Universe

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



17.9438, 0.4677, 0.2350



23.3362, 0.4689, 0.2356



59.5011, 0.2320, 0.3551



14.5056, 0.3203, 0.3156



10.4879, 0.4649, 0.2335



0.7935, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 17.9426, 0.4677, 0.2350 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 17.9426, 0.4677, 0.2350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

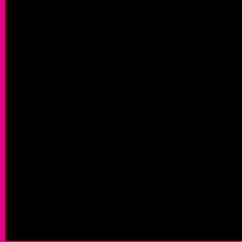
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9426, 0.4677, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 17.9426, 0.4677, 0.2350.



This preview shows how white text looks on a background with the Yxy color 17.9426, 0.4677, 0.2350.

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

17.9426, 0.4677, 0.2350

Protanopia

18.6901, 0.2261, 0.2119

Deuteranopia

18.5927, 0.3260, 0.3217



Tritanopia

18.4010, 0.5776, 0.3291

Trichromacy



Original Color

17.9426, 0.4677, 0.2350



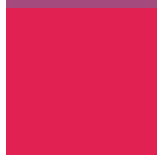
Protanomaly

13.4015, 0.2866, 0.1875



Deuteranomaly

14.3521, 0.3813, 0.2533



Tritanomaly

17.5291, 0.5485, 0.2934

Monochromacy



Original Color

17.9426, 0.4677, 0.2350



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.6172, 0.3855, 0.2449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9426, 0.4677, 0.2350 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 130) }
```

Border

The CSS property to change the border of an element to Yxy 17.9426, 0.4677, 0.2350 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, 130) }
```

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

```
.border{ border-color:rgb(227, 0, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9426, 0.4677, 0.2350 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, 130) }
```

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

```
.background{ background-color: rgb(227, 0,  
130) }
```

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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