

Converting Colors

$Y_{xy}(18.3677, 0.4544, 0.2301)$

Have a look what the booklet for
Yxy(18.3677, 0.4544, 0.2301)
contains.

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Color

Yxy(18.4000, 0.4539, 0.2299)

Conversions

Conversions Part 1

Format	Color
Hex	E30C89
RGB	227, 12, 137
RGB Percent	89%, 5%, 54%
CMY	0.1098, 0.9530, 0.4627
CMYK	0.00, 0.95, 0.40, 0.11
HSL	325°, 90%, 47%
HSV	325°, 95%, 89%
XYZ	36.3278, 18.4000, 25.3070
YIQ	90.5350, 88.0150, 84.4550

Conversions

Conversions Part 2

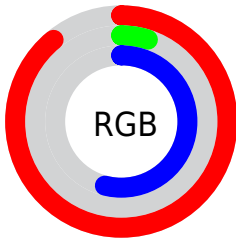
Format	Color
R_{YB}	227, 12, 137
Decimal	14879881
CIE _{Lab}	49.98, 78.47, -9.21
CIE _{LCh}	50, 79.010, 353.304
Yxy	18.4000, 0.4539, 0.2299
Android (android.graphics.Color)	4293069961 (0xFFE30C89)
YUV	90.5350, 22.9072, 119.6798
Hunter-Lab	42.8952, 76.1043, -4.9528

Details

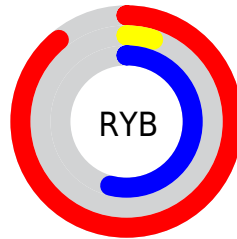
The Yxy color **18.4000, 0.4539, 0.2299** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **55.9795, 0.2785, 0.5194**, and the grayscale version is **10.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5271, 0.3897, 0.2384**, and **8.7951, 0.4841, 0.2441** is the 20% darker color. If you saturate the color by 10%, you get **17.9980, 0.4640, 0.2330**, and if you desaturate by 10%, it is **19.6068, 0.4344, 0.2271**.

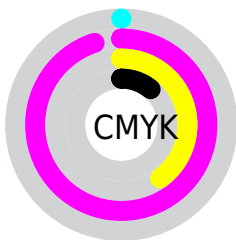
Distribution



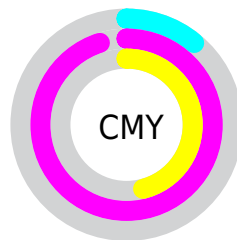
- Red (89%)
- Green (5%)
- Blue (54%)



- Red (89%)
- Yellow (5%)
- Blue (54%)



- Cyan (0%)
- Magenta (95%)
- Yellow (40%)
- Black (11%)




- Cyan (11%)
- Magenta (95%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4000, 0.4539, 0.2299 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 18.4000, 0.4539, 0.2299 by changing the saturation by 10% instead.


 18.4000, 0.4539,
0.2299


 18.4000, 0.4539,
0.2299


243.1161, 0.3752,
0.2834


 11.2375, 0.4764,
0.2154


 40.7177, 0.4232,
0.2503

 6.2268, 0.5070,
0.1961


 56.6418, 0.4123,
0.2576


 2.9835, 0.5506,
0.1696

 76.2552, 0.4034,
0.2638

 1.1231, 0.6165,
0.1318

 99.9424, 0.3959,
0.2689

 0.0000, 0.7913,
0.0000

 128.0876, 0.3895,
0.2734

 0.0000, 1.0000,
0.0000

 161.0754, 0.3841,

 0.0000, 0.0000,

0.2772

0.0000

199.2901, 0.3793,
0.2805

■ 18.4000, 0.4539,
0.2299

■ 18.4000, 0.4539,
0.2299

■ 17.9980, 0.4640,
0.2330

■ 19.6068, 0.4344,
0.2271

■ 21.6970, 0.4147,
0.2297

■ 24.8169, 0.3955,
0.2371

■ 29.0853, 0.3776,
0.2482

■ 34.6046, 0.3615,
0.2618

■ 41.4657, 0.3474,
0.2768

■ 49.7513, 0.3352,
0.2923

■ 59.5369, 0.3249,
0.3076

■ 70.8930, 0.3163,
0.3223

Harmonies

Analogous

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



18.4000, 0.2984, 0.1717



18.4000, 0.4539, 0.2299



18.4000, 0.5704, 0.3035

Triad

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



18.4000, 0.4539, 0.2299



18.4000, 0.3892, 0.5807



18.4000, 0.0974, 0.1767

Complementary

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



18.4000, 0.4539, 0.2299



55.9795, 0.2785, 0.5194

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.



18.4000, 0.1077, 0.2741



18.4000, 0.4539, 0.2299



18.4000, 0.2682, 0.6009

Square

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



18.4000, 0.4539, 0.2299



18.4000, 0.5040, 0.4819



18.4000, 0.1636, 0.4533



18.4000, 0.1210, 0.1405

Rectangle

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



18.4000, 0.4539, 0.2299



18.4000, 0.5882, 0.3562



18.4000, 0.1636, 0.4533



18.4000, 0.0968, 0.2005

Sweetspot

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



18.4011, 0.4539, 0.2299



60.8176, 0.3392, 0.2869



8.6089, 0.1917, 0.0849



12.0263, 0.3445, 0.2802



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.



18.4011, 0.4539, 0.2299



23.4067, 0.4651, 0.2336



16.6879, 0.6224, 0.3241



14.5078, 0.3202, 0.3154



10.5194, 0.4612, 0.2315



0.7958, 0.4352, 0.2171

Inverse Universe

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



18.4011, 0.4539, 0.2299



23.4067, 0.4651, 0.2336



59.6285, 0.2322, 0.3537



14.5078, 0.3202, 0.3154



10.5194, 0.4612, 0.2315



0.7958, 0.4352, 0.2171

Previews

White Background



This preview shows how the Yxy color 18.4000, 0.4539, 0.2299 looks on a white background.

Color Contrast Check

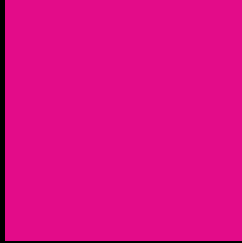
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.4000, 0.4539, 0.2299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

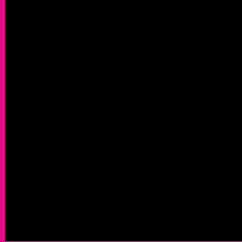
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4000, 0.4539, 0.2299

Background



This preview shows how black text looks on a background with the Yxy color 18.4000, 0.4539, 0.2299.



This preview shows how white text looks on a background with the Yxy color 18.4000, 0.4539, 0.2299.

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

18.4000, 0.4539, 0.2299

Protanopia

19.0662, 0.2177, 0.2019

Deuteranopia

18.9220, 0.3161, 0.3108



Tritanopia

18.5574, 0.5700, 0.3282

Trichromacy



Original Color

18.4000, 0.4539, 0.2299



Protanomaly

14.1761, 0.2732, 0.1828



Deuteranomaly

15.2300, 0.3682, 0.2502



Tritanomaly

17.9702, 0.5377, 0.2915

Monochromacy



Original Color

18.4000, 0.4539, 0.2299



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.1034, 0.3747, 0.2484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4000, 0.4539, 0.2299 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, 12, 137)` looks like.

```
.text, #text, p{  
    color:rgb(227, 12, 137)  
}
```

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, 12, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 12, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.4000, 0.4539, 0.2299 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, 12, 137) }
```

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

```
.border{ border-color:rgb(227, 12, 137) }
```

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

Here you see how a box with a 4 pixel rgb(227, 12, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 12, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 12, 137);  
box-shadow:4px 4px 4px 4px rgb(227, 12,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4000, 0.4539, 0.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 12, 137) }
```

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

```
.background{ background-color: rgb(227, 12,  
137) }
```

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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