

Converting Colors

$Yxy(18.3076, 0.4738, 0.2384)$

Have a look what the booklet for
Yxy(18.3076, 0.4738, 0.2384)
contains.

Yxy(18.3815, 0.4747, 0.2389)	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(18.3815, 0.4747, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	E60080
RGB	230, 0, 128
RGB Percent	90%, 0%, 50%
CMY	0.0981, 0.9992, 0.4981
CMYK	0.00, 1.00, 0.44, 0.10
HSL	327°, 100%, 45%
HSV	327°, 100%, 90%
XYZ	36.5245, 18.3815, 22.0363
YIQ	83.3620, 95.9920, 88.5680

Conversions

Conversions Part 2

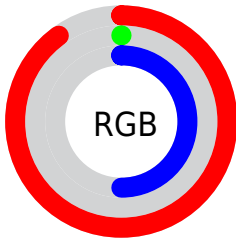
Format	Color
R_{YB}	230, 0, 128
Decimal	15073408
CIE Lab	49.96, 79.22, -3.71
CIE LCh	50, 79.307, 357.321
Yxy	18.3815, 0.4747, 0.2389
Android (android.graphics.Color)	4293263488 (0xFFE60080)
YUV	83.3620, 22.0065, 128.6015
Hunter-Lab	42.8737, 77.0370, -0.4624

Details

The Yxy color **18.3815, 0.4747, 0.2389** 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 **57.5498, 0.2782, 0.5214**, and the grayscale version is **8.6904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6016, 0.4018, 0.2444**, and **8.8893, 0.5070, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **18.3760, 0.4749, 0.2390**, and if you desaturate by 10%, it is **19.2814, 0.4540, 0.2332**.

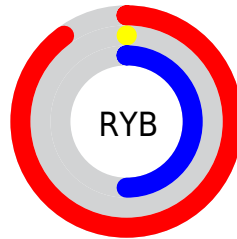
Distribution



Red (90%)

Green (0%)

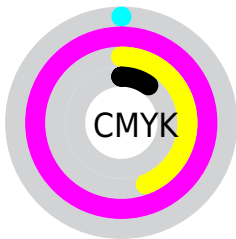
Blue (50%)



Red (90%)

Yellow (0%)

Blue (50%)

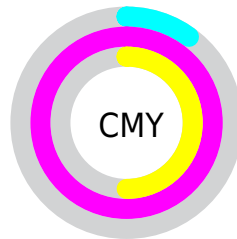


Cyan (0%)

Magenta (100%)

Yellow (44%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3815, 0.4747, 0.2389 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 18.3815, 0.4747, 0.2389 by changing the saturation by 10% instead.


 18.3815, 0.4747,
0.2389


 18.3815, 0.4747,
0.2389


243.0127, 0.3835,
0.2888


 11.2242, 0.5010,
0.2248


 40.6863, 0.4390,
0.2582


 6.2179, 0.5369,
0.2059


 56.6027, 0.4263,
0.2651


 2.9780, 0.5882,
0.1793

 76.2075, 0.4160,
0.2708

 1.1203, 0.6653,
0.1405

 99.8852, 0.4073,
0.2756

 0.0000, 0.9066,
0.0000

 128.0202, 0.4000,
0.2797

 0.0000, 1.0000,
0.0000

 160.9968, 0.3937,

 0.0000, 0.0000,

0.2831

0.0000

199.1995, 0.3882,
0.2862

■ 18.3815, 0.4747,
0.2389

■ 18.3815, 0.4747,
0.2389

■ 18.3760, 0.4749,
0.2390

■ 19.2814, 0.4540,
0.2332

■ 20.9402, 0.4327,
0.2324

■ 23.5898, 0.4116,
0.2369

■ 27.3653, 0.3915,
0.2456

■ 32.3806, 0.3732,
0.2575

■ 38.7354, 0.3569,
0.2713

■ 46.5192, 0.3429,
0.2860

■ 55.8138, 0.3310,
0.3009

■ 66.6946, 0.3210,
0.3154

Harmonies

Analogous

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



18.3815, 0.3179, 0.1776



18.3815, 0.4747, 0.2389



18.3815, 0.5791, 0.3136

Triad

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



18.3815, 0.4747, 0.2389



18.3815, 0.3728, 0.5917



18.3815, 0.0981, 0.1685

Complementary

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



18.3815, 0.4747, 0.2389



57.5498, 0.2782, 0.5214

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.



18.3815, 0.1035, 0.2558



18.3815, 0.4747, 0.2389



18.3815, 0.2520, 0.5918

Square

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



18.3815, 0.4747, 0.2389



18.3815, 0.4905, 0.4964



18.3815, 0.1523, 0.4269



18.3815, 0.1264, 0.1383

Rectangle

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



18.3815, 0.4747, 0.2389



18.3815, 0.5867, 0.3671



18.3815, 0.1523, 0.4269



18.3815, 0.0961, 0.1895

Sweetspot

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



18.3826, 0.4747, 0.2389



58.5227, 0.3432, 0.2857



8.4129, 0.1888, 0.0814



11.5891, 0.3489, 0.2794



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.



18.3826, 0.4747, 0.2389



23.2069, 0.4759, 0.2396



16.8607, 0.6343, 0.3269



14.5015, 0.3206, 0.3160



10.4300, 0.4718, 0.2373



0.7894, 0.4437, 0.2218

Inverse Universe

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



18.3826, 0.4747, 0.2389



23.2069, 0.4759, 0.2396



61.4755, 0.2305, 0.3497



14.5015, 0.3206, 0.3160



10.4300, 0.4718, 0.2373



0.7894, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 18.3815, 0.4747, 0.2389 looks on a white background.

Color Contrast Check

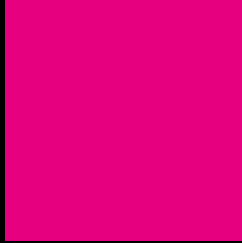
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3815, 0.4747, 0.2389 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 18.3815, 0.4747, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 18.3815, 0.4747, 0.2389.



This preview shows how white text looks on a background with the Yxy color 18.3815, 0.4747, 0.2389.

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

18.3815, 0.4747, 0.2389

Protanopia

19.1957, 0.2310, 0.2197

Deuteranopia

19.0171, 0.3322, 0.3272



Tritanopia

18.7843, 0.5811, 0.3291

Trichromacy



Original Color

18.3815, 0.4747, 0.2389



Protanomaly

13.8690, 0.2931, 0.1939



Deuteranomaly

14.7621, 0.3889, 0.2588



Tritanomaly

17.9978, 0.5524, 0.2953

Monochromacy



Original Color

18.3815, 0.4747, 0.2389



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.6813, 0.3895, 0.2472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3815, 0.4747, 0.2389 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(230, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 128)  
}
```

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(230, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.3815, 0.4747, 0.2389 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(230, 0, 128) }
```

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

```
.border{ border-color:rgb(230, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3815, 0.4747, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 128) }
```

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

```
.background{ background-color: rgb(230, 0,  
128) }
```

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