

Converting Colors

$Yxy(18.5288, 0.4587, 0.2301)$

Have a look what the booklet for
Yxy(18.5288, 0.4587, 0.2301)
contains.

Yxy(18.4356, 0.4589, 0.2301)	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(18.4356, 0.4589, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	E50088
RGB	229, 0, 136
RGB Percent	90%, 0%, 53%
CMY	0.1018, 1.0000, 0.4666
CMYK	0.00, 1.00, 0.41, 0.10
HSL	324°, 100%, 45%
HSV	324°, 100%, 90%
XYZ	36.7670, 18.4356, 24.9173
YIQ	83.9750, 92.8280, 90.8440

Conversions

Conversions Part 2

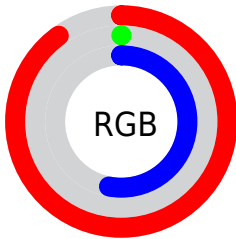
Format	Color
R_{YB}	229, 0, 136
Decimal	15007880
CIE _{Lab}	50.02, 79.74, -8.51
CIE _{LCh}	50, 80.197, 353.912
Yxy	18.4356, 0.4589, 0.2301
Android (android.graphics.Color)	4293197960 (0xFFE50088)
YUV	83.9750, 25.6483, 127.1869
Hunter-Lab	42.9367, 77.7118, -4.3519

Details

The Yxy color **18.4356, 0.4589, 0.2301** 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 **56.8513, 0.2815, 0.5332**, and the grayscale version is **8.7948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9395, 0.3916, 0.2370**, and **8.8874, 0.4881, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **18.4424, 0.4589, 0.2302**, and if you desaturate by 10%, it is **19.3275, 0.4404, 0.2254**.

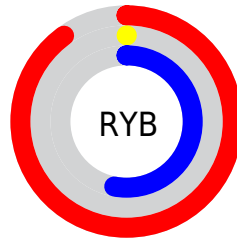
Distribution



Red (90%)

Green (0%)

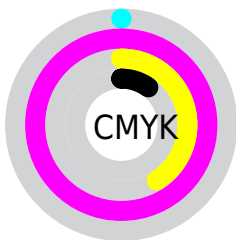
Blue (53%)



Red (90%)

Yellow (0%)

Blue (53%)

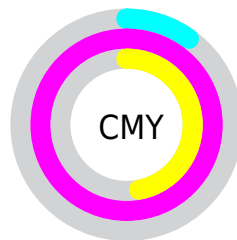


Cyan (0%)

Magenta (100%)

Yellow (41%)

Black (10%)



Cyan (10%)

Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4356, 0.4589, 0.2301 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 18.4356, 0.4589, 0.2301 by changing the saturation by 10% instead.


 18.4356, 0.4589,
0.2301


 18.4356, 0.4589,
0.2301


243.3150, 0.3773,
0.2836


 11.2632, 0.4822,
0.2155


 40.7782, 0.4271,
0.2505

 6.2441, 0.5139,
0.1962


 56.7171, 0.4158,
0.2579

 2.9941, 0.5590,
0.1696

 76.3471, 0.4065,
0.2640

 1.1287, 0.6270,
0.1317

 100.0523, 0.3988,
0.2692

 0.0022, 0.8069,
0.0007

 128.2174, 0.3922,
0.2736

 0.0000, 1.0000,
0.0000

 161.2266, 0.3865,

 0.0000, 0.0000,

0.2774

0.0000

199.4643, 0.3816,
0.2807

■ 18.4356, 0.4589,
0.2301

■ 18.4356, 0.4589,
0.2301

■ 18.4424, 0.4589,
0.2302

■ 19.3275, 0.4404,
0.2254

■ 20.9572, 0.4215,
0.2254

■ 23.5628, 0.4026,
0.2307

■ 27.2782, 0.3846,
0.2402

■ 32.2159, 0.3681,
0.2529

■ 38.4747, 0.3534,
0.2675

■ 46.1431, 0.3406,
0.2831

■ 55.3019, 0.3297,
0.2989

■ 66.0258, 0.3204,
0.3143

Harmonies

Analogous

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



18.4356, 0.3010, 0.1711



18.4356, 0.4589, 0.2301



18.4356, 0.5751, 0.3042

Triad

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



18.4356, 0.4589, 0.2301



18.4356, 0.3864, 0.5849



18.4356, 0.0957, 0.1736

Complementary

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



18.4356, 0.4589, 0.2301



56.8513, 0.2815, 0.5332

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.



18.4356, 0.1050, 0.2701



18.4356, 0.4589, 0.2301



18.4356, 0.2644, 0.6040

Square

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



18.4356, 0.4589, 0.2301



18.4356, 0.5033, 0.4848



18.4356, 0.1599, 0.4511



18.4356, 0.1201, 0.1385

Rectangle

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



18.4356, 0.4589, 0.2301



18.4356, 0.5909, 0.3571



18.4356, 0.1599, 0.4511



18.4356, 0.0948, 0.1971

Sweetspot

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



18.4424, 0.4589, 0.2302



58.6781, 0.3408, 0.2829



7.9149, 0.1831, 0.0783



11.6260, 0.3460, 0.2762



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.



18.4424, 0.4589, 0.2302



23.5083, 0.4599, 0.2307



16.7260, 0.6303, 0.3246



14.5109, 0.3200, 0.3151



10.5648, 0.4562, 0.2287



0.7990, 0.4310, 0.2148

Inverse Universe

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



18.4424, 0.4589, 0.2302



23.5083, 0.4599, 0.2307



60.5233, 0.2335, 0.3607



14.5109, 0.3200, 0.3151



10.5648, 0.4562, 0.2287



0.7990, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 18.4356, 0.4589, 0.2301 looks on a white background.

Color Contrast Check

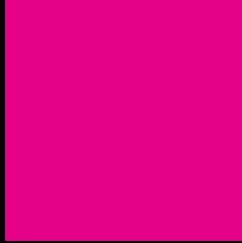
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4356, 0.4589, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

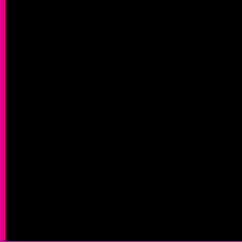
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4356, 0.4589, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 18.4356, 0.4589, 0.2301.



This preview shows how white text looks on a background with the Yxy color 18.4356, 0.4589, 0.2301.

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

18.4356, 0.4589, 0.2301

Protanopia

19.1211, 0.2196, 0.2034

Deuteranopia

18.9748, 0.3186, 0.3127



Tritanopia

18.7615, 0.5743, 0.3290

Trichromacy



Original Color

18.4356, 0.4589, 0.2301



Protanomaly

13.7509, 0.2764, 0.1798



Deuteranomaly

14.6163, 0.3726, 0.2453



Tritanomaly

17.9529, 0.5446, 0.2916

Monochromacy



Original Color

18.4356, 0.4589, 0.2301



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.8438, 0.3827, 0.2411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4356, 0.4589, 0.2301 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(229, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 136)  
}
```

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(229, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 136) }
```

Border

The CSS property to change the border of an element to Yxy 18.4356, 0.4589, 0.2301 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(229, 0, 136) }
```

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

```
.border{ border-color:rgb(229, 0, 136) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4356, 0.4589, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 136) }
```

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

```
.background{ background-color: rgb(229, 0,  
136) }
```

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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