

Converting Colors

$Y_{xy}(18.1380, 0.4541, 0.2275)$

Have a look what the booklet for
Yxy(18.1380, 0.4541, 0.2275)
contains.

Yxy(18.1370, 0.4547, 0.2279)	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(18.1370, 0.4547, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	E30089
RGB	227, 0, 137
RGB Percent	89%, 0%, 54%
CMY	0.1099, 0.9989, 0.4628
CMYK	0.00, 1.00, 0.40, 0.11
HSL	324°, 100%, 45%
HSV	324°, 100%, 89%
XYZ	36.1865, 18.1370, 25.2597
YIQ	83.4910, 91.3150, 90.7310

Conversions

Conversions Part 2

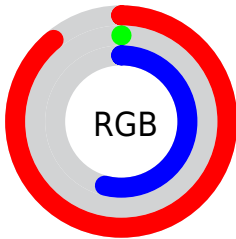
Format	Color
RYB	227, 0, 137
Decimal	14876809
CIELab	49.66, 79.36, -9.68
CIElCh	50, 79.950, 353.045
Yxy	18.1370, 0.4547, 0.2279
Android (android.graphics.Color)	4293066889 (0xFFE30089)
YUV	83.4910, 26.3799, 125.8574
Hunter-Lab	42.5876, 77.1424, -5.3550

Details

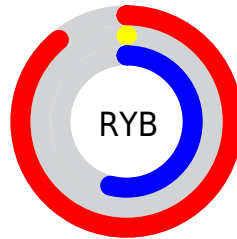
The Yxy color **18.1370, 0.4547, 0.2279** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **55.6654, 0.2822, 0.5357**, and the grayscale version is **8.7203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9831, 0.3903, 0.2361**, and **8.6875, 0.4827, 0.2433** is the 20% darker color. If you saturate the color by 10%, you get **18.1287, 0.4549, 0.2280**, and if you desaturate by 10%, it is **19.0133, 0.4368, 0.2235**.

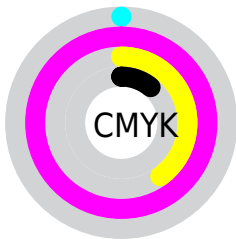
Distribution



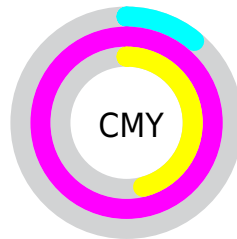
- Red (89%)
- Green (0%)
- Blue (54%)



- Red (89%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1370, 0.4547, 0.2279 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 18.1370, 0.4547, 0.2279 by changing the saturation by 10% instead.


 18.1370, 0.4547,
0.2279


 18.1370, 0.4547,
0.2279


241.6421, 0.3755,
0.2825

 11.0484, 0.4773,
0.2131


 40.2706, 0.4238,
0.2486


 6.0994, 0.5081,
0.1935


 56.0844, 0.4129,
0.2562


 2.9056, 0.5521,
0.1666

 75.5754, 0.4038,
0.2624

 1.0827, 0.6184,
0.1284

 99.1280, 0.3963,
0.2677

 0.0000, 0.7911,
0.0000

 127.1266, 0.3899,
0.2722

 0.0000, 1.0000,
0.0000

 159.9555, 0.3844,

 0.0000, 0.0000,

0.2761

0.0000

197.9992, 0.3796,
0.2795

■ 18.1370, 0.4547,
0.2279

■ 18.1370, 0.4547,
0.2279

■ 18.1287, 0.4549,
0.2280

■ 19.0133, 0.4368,
0.2235

■ 20.6217, 0.4184,
0.2238

■ 23.1866, 0.4001,
0.2293

■ 26.8384, 0.3827,
0.2391

■ 31.6871, 0.3666,
0.2520

■ 37.8290, 0.3523,
0.2668

■ 45.3504, 0.3399,
0.2827

■ 54.3304, 0.3292,
0.2987

■ 64.8417, 0.3202,
0.3143

Harmonies

Analogous

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



18.1370, 0.2968, 0.1695



18.1370, 0.4547, 0.2279



18.1370, 0.5737, 0.3018

Triad

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



18.1370, 0.4547, 0.2279



18.1370, 0.3899, 0.5830



18.1370, 0.0952, 0.1751

Complementary

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



18.1370, 0.4547, 0.2279



55.6654, 0.2822, 0.5357

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.



18.1370, 0.1056, 0.2740



18.1370, 0.4547, 0.2279



18.1370, 0.2676, 0.6066

Square

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



18.1370, 0.4547, 0.2279



18.1370, 0.5066, 0.4818



18.1370, 0.1619, 0.4573



18.1370, 0.1187, 0.1386

Rectangle

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



18.1370, 0.4547, 0.2279



18.1370, 0.5918, 0.3546



18.1370, 0.1619, 0.4573



18.1370, 0.0946, 0.1992

Sweetspot

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



18.1380, 0.4547, 0.2279



58.7166, 0.3402, 0.2822



7.5854, 0.1807, 0.0770



11.6352, 0.3453, 0.2754



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.



18.1380, 0.4547, 0.2279



23.5862, 0.4560, 0.2286



16.4098, 0.6275, 0.3231



14.5133, 0.3198, 0.3149



10.5996, 0.4524, 0.2266



0.8015, 0.4280, 0.2131

Inverse Universe

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



18.1380, 0.4547, 0.2279



23.5862, 0.4560, 0.2286



59.1175, 0.2351, 0.3662



14.5133, 0.3198, 0.3149



10.5996, 0.4524, 0.2266



0.8015, 0.4280, 0.2131

Previews

White Background



This preview shows how the Yxy color 18.1370, 0.4547, 0.2279 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 18.1370, 0.4547, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

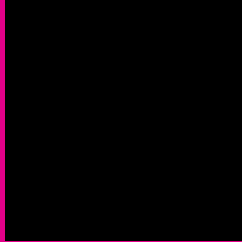
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1370, 0.4547, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 18.1370, 0.4547, 0.2279.



This preview shows how white text looks on a background with the Yxy color 18.1370, 0.4547, 0.2279.

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

18.1370, 0.4547, 0.2279

Protanopia

18.8285, 0.2162, 0.1989

Deuteranopia

18.6123, 0.3149, 0.3089



Tritanopia

18.4535, 0.5720, 0.3282

Trichromacy



Original Color

18.1370, 0.4547, 0.2279



Protanomaly

13.6163, 0.2729, 0.1778



Deuteranomaly

14.4288, 0.3680, 0.2429



Tritanomaly

17.6472, 0.5414, 0.2899

Monochromacy



Original Color

18.1370, 0.4547, 0.2279



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.8518, 0.3806, 0.2420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1370, 0.4547, 0.2279 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 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, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.1370, 0.4547, 0.2279 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, 137) }
```

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

```
.border{ border-color:rgb(227, 0, 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, 0, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1370, 0.4547, 0.2279 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, 137) }
```

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

```
.background{ background-color: rgb(227, 0,  
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](#).

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