

Converting Colors

$Y_{xy}(18.3635, 0.4404, 0.2200)$

Have a look what the booklet for
Yxy(18.3635, 0.4404, 0.2200)
contains.

Yxy(18.3752, 0.4403, 0.2199)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3752, 0.4403, 0.2199)

Conversions

Conversions Part 1

Format	Color
Hex	E30091
RGB	227, 0, 145
RGB Percent	89%, 0%, 57%
CMY	0.1098, 1.0000, 0.4314
CMYK	0.00, 1.00, 0.36, 0.11
HSL	322°, 100%, 45%
HSV	322°, 100%, 89%
XYZ	36.7922, 18.3752, 28.3942
YIQ	84.4030, 88.7470, 93.2190

Conversions

Conversions Part 2

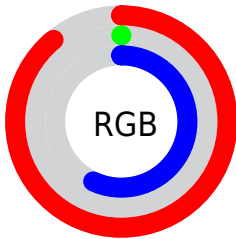
Format	Color
R_{YB}	227, 0, 145
Decimal	14876817
CIE _{Lab}	49.95, 80.14, -14.07
CIE _{LCh}	50, 81.365, 350.040
Yxy	18.3752, 0.4403, 0.2199
Android (android.graphics.Color)	4293066897 (0xFFE30091)
YUV	84.4030, 29.8743, 125.0576
Hunter-Lab	42.8663, 78.1907, -9.2667

Details

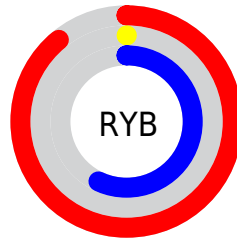
The Yxy color **18.3752, 0.4403, 0.2199** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **55.5547, 0.2850, 0.5461**, and the grayscale version is **8.8772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3889, 0.3792, 0.2279**, and **8.9332, 0.4641, 0.2330** is the 20% darker color. If you saturate the color by 10%, you get **18.3772, 0.4403, 0.2199**, and if you desaturate by 10%, it is **19.2405, 0.4245, 0.2163**.

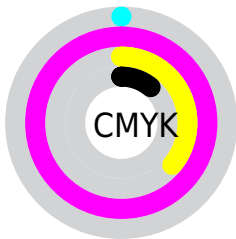
Distribution



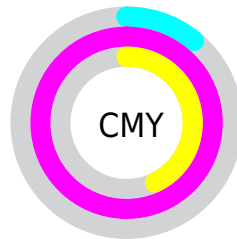
- Red (89%)
- Green (0%)
- Blue (57%)



- Red (89%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3752, 0.4403, 0.2199 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 18.3752, 0.4403, 0.2199 by changing the saturation by 10% instead.

 18.3752, 0.4403,
0.2199


 18.3752, 0.4403,
0.2199


242.9774, 0.3700,
0.2777


 11.2197, 0.4600,
0.2047


 40.6756, 0.4131,
0.2416


 6.2148, 0.4867,
0.1848


 56.5893, 0.4034,
0.2495

 2.9761, 0.5243,
0.1579

 76.1912, 0.3954,
0.2561

 1.1193, 0.5805,
0.1208

 99.8657, 0.3887,
0.2618

 0.0000, 0.7196,
0.0000

 127.9972, 0.3830,
0.2666

 0.0000, 1.0000,
0.0000

 160.9700, 0.3780,

 0.0000, 0.0000,

0.2708

0.0000

199.1687, 0.3738,
0.2744

■ 18.3752, 0.4403,
0.2199

■ 18.3752, 0.4403,
0.2199

■ 18.3772, 0.4403,
0.2199

■ 19.2405, 0.4245,
0.2163

■ 20.8280, 0.4082,
0.2174

■ 23.3670, 0.3920,
0.2236

■ 26.9884, 0.3765,
0.2340

■ 31.8020, 0.3621,
0.2476

■ 37.9042, 0.3491,
0.2632

■ 45.3816, 0.3378,
0.2799

■ 54.3131, 0.3280,
0.2967

■ 64.7716, 0.3197,
0.3132

Harmonies

Analogous

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



18.3752, 0.2821, 0.1637



18.3752, 0.4403, 0.2199



18.3752, 0.5695, 0.2932

Triad

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



18.3752, 0.4403, 0.2199



18.3752, 0.4021, 0.5767



18.3752, 0.0929, 0.1799

Complementary

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



18.3752, 0.4403, 0.2199



55.5547, 0.2850, 0.5461

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.



18.3752, 0.1069, 0.2879



18.3752, 0.4403, 0.2199



18.3752, 0.2784, 0.6158

Square

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



18.3752, 0.4403, 0.2199



18.3752, 0.5179, 0.4714



18.3752, 0.1688, 0.4797



18.3752, 0.1132, 0.1387

Rectangle

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



18.3752, 0.4403, 0.2199



18.3752, 0.5952, 0.3456



18.3752, 0.1688, 0.4797



18.3752, 0.0934, 0.2065

Sweetspot

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



18.3772, 0.4403, 0.2199



58.8662, 0.3380, 0.2795



7.2286, 0.1756, 0.0741



11.6708, 0.3426, 0.2724



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.



18.3772, 0.4403, 0.2199



23.8998, 0.4412, 0.2204



16.4488, 0.6217, 0.3198



14.5222, 0.3193, 0.3141



10.7394, 0.4380, 0.2187



0.8112, 0.4164, 0.2068

Inverse Universe

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



18.3772, 0.4403, 0.2199



23.8998, 0.4412, 0.2204



58.7938, 0.2382, 0.3776



14.5222, 0.3193, 0.3141



10.7394, 0.4380, 0.2187



0.8112, 0.4164, 0.2068

Previews

White Background



This preview shows how the Yxy color 18.3752, 0.4403, 0.2199 looks on a white background.

Color Contrast Check

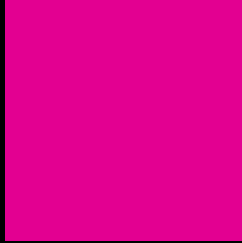
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3752, 0.4403, 0.2199 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 18.3752, 0.4403, 0.2199

Background



This preview shows how black text looks on a background with the Yxy color 18.3752, 0.4403, 0.2199.



This preview shows how white text looks on a background with the Yxy color 18.3752, 0.4403, 0.2199.

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

18.3752, 0.4403, 0.2199

Protanopia

19.2603, 0.2068, 0.1874

Deuteranopia

18.9075, 0.3031, 0.2964



Tritanopia

18.7716, 0.5660, 0.3282

Trichromacy



Original Color

18.3752, 0.4403, 0.2199



Protanomaly

13.6033, 0.2570, 0.1657



Deuteranomaly

14.5482, 0.3536, 0.2316



Tritanomaly

17.8472, 0.5321, 0.2859

Monochromacy



Original Color

18.3752, 0.4403, 0.2199



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.8211, 0.3746, 0.2356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3752, 0.4403, 0.2199 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, 145)` looks like.

```
.text, #text, p{  
  color:rgb(227, 0, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 145) }
```

Border

The CSS property to change the border of an element to Yxy 18.3752, 0.4403, 0.2199 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, 145) }
```

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

```
.border{ border-color:rgb(227, 0, 145) }
```

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, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3752, 0.4403, 0.2199 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, 145) }
```

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

```
.background{ background-color: rgb(227, 0,  
145) }
```

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