

Converting Colors

$Y_{xy}(18.6239, 0.4400, 0.2314)$

Have a look what the booklet for
Yxy(18.6239, 0.4400, 0.2314)
contains.

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Color

Yxy(18.6251, 0.4398, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	DE238C
RGB	222, 35, 140
RGB Percent	87%, 14%, 55%
CMY	0.1294, 0.8627, 0.4509
CMYK	0.00, 0.84, 0.37, 0.13
HSL	326°, 74%, 50%
HSV	326°, 84%, 87%
XYZ	35.4603, 18.6251, 26.5428
YIQ	102.8830, 77.7470, 72.2990

Conversions

Conversions Part 2

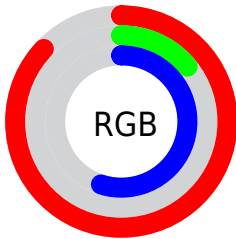
Format	Color
R_{YB}	222, 35, 140
Decimal	14558092
CIE _{Lab}	50.25, 74.40, -10.72
CIE _{LCh}	50, 75.173, 351.801
Yxy	18.6251, 0.4398, 0.2310
Android (android.graphics.Color)	4292748172 (0xFFDE238C)
YUV	102.8830, 18.2987, 104.4656
Hunter-Lab	43.1568, 71.1420, -6.2554

Details

The Yxy color **18.6251, 0.4398, 0.2310** 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 **53.8853, 0.2741, 0.4919**, and the grayscale version is **13.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0557, 0.3835, 0.2404**, and **8.3153, 0.4691, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **17.4321, 0.4605, 0.2339**, and if you desaturate by 10%, it is **20.6703, 0.4188, 0.2335**.

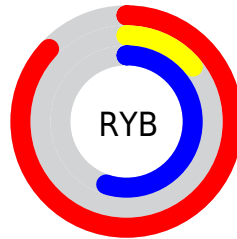
Distribution



Red (87%)

Green (14%)

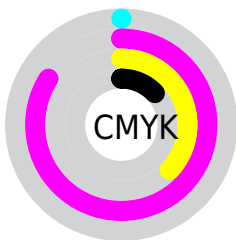
Blue (55%)



Red (87%)

Yellow (14%)

Blue (55%)

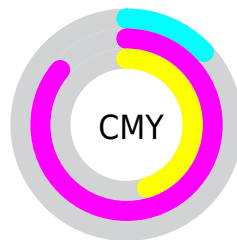


Cyan (0%)

Magenta (84%)

Yellow (37%)

Black (13%)



Cyan (13%)


Magenta (86%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6251, 0.4398, 0.2310 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 18.6251, 0.4398, 0.2310 by changing the saturation by 10% instead.


 18.6251, 0.4398,
0.2310


 18.6251, 0.4398,
0.2310


244.3712, 0.3692,
0.2836


 11.3997, 0.4599,
0.2168


 41.0996, 0.4123,
0.2510

 6.3364, 0.4873,
0.1980


 57.1176, 0.4026,
0.2582

 3.0507, 0.5264,
0.1722

 76.8351, 0.3945,
0.2642

 1.1582, 0.5859,
0.1353

 100.6367, 0.3878,
0.2693

 0.0272, 0.7397,
0.0088

 128.9067, 0.3821,
0.2737

 0.0000, 1.0000,
0.0000

162.0295, 0.3772,

 0.0000, 0.0000,

0.2775

0.0000

200.3896, 0.3729,
0.2807

■ 18.6251, 0.4398,
0.2310

■ 18.6251, 0.4398,
0.2310

■ 17.4321, 0.4605,
0.2339

■ 20.6703, 0.4188,
0.2335

■ 17.0022, 0.4722,
0.2375

■ 23.7004, 0.3986,
0.2407

■ 27.8278, 0.3798,
0.2515

■ 33.1490, 0.3629,
0.2647

■ 39.7496, 0.3482,
0.2793

■ 47.7074, 0.3356,
0.2942

■ 57.0941, 0.3249,
0.3090

■ 67.9761, 0.3160,
0.3232

■ 80.4156, 0.3086,
0.3366

Harmonies

Analogous

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



18.6251, 0.2929, 0.1753



18.6251, 0.4398, 0.2310



18.6251, 0.5548, 0.3029

Triad

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



18.6251, 0.4398, 0.2310



18.6251, 0.3961, 0.5675



18.6251, 0.1040, 0.1865

Complementary

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



18.6251, 0.4398, 0.2310



53.8853, 0.2741, 0.4919

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.



18.6251, 0.1169, 0.2850



18.6251, 0.4398, 0.2310



18.6251, 0.2787, 0.5878

Square

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



18.6251, 0.4398, 0.2310



18.6251, 0.5037, 0.4745



18.6251, 0.1751, 0.4557



18.6251, 0.1255, 0.1481

Rectangle

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



18.6251, 0.4398, 0.2310



18.6251, 0.5771, 0.3547



18.6251, 0.1751, 0.4557



18.6251, 0.1042, 0.2112

Sweetspot

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



18.6261, 0.4398, 0.2310



64.1795, 0.3367, 0.2928



10.1918, 0.2075, 0.1008



12.8787, 0.3410, 0.2875



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.



18.6261, 0.4398, 0.2310



23.2492, 0.4736, 0.2383



16.9413, 0.5946, 0.3224



13.8288, 0.3205, 0.3159



10.1214, 0.4693, 0.2359



0.7195, 0.4402, 0.2199

Inverse Universe

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



18.6261, 0.4398, 0.2310



23.2492, 0.4736, 0.2383



57.2312, 0.2322, 0.3462



13.8288, 0.3205, 0.3159



10.1214, 0.4693, 0.2359



0.7195, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 18.6251, 0.4398, 0.2310 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 18.6251, 0.4398, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

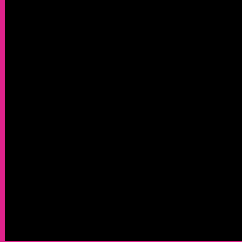
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6251, 0.4398, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 18.6251, 0.4398, 0.2310.



This preview shows how white text looks on a background with the Yxy color 18.6251, 0.4398, 0.2310.

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

18.6251, 0.4398, 0.2310

Protanopia

19.0761, 0.2202, 0.2046

Deuteranopia

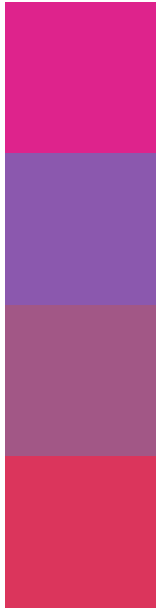
18.8733, 0.3089, 0.3035



Tritanopia

18.6884, 0.5500, 0.3279

Trichromacy



Original Color

18.6251, 0.4398, 0.2310

Protanomaly

15.5244, 0.2750, 0.1960

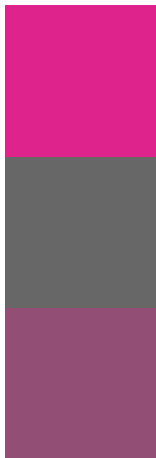
Deuteranomaly

16.2190, 0.3571, 0.2561

Tritanomaly

18.3790, 0.5165, 0.2928

Monochromacy



Original Color

18.6251, 0.4398, 0.2310

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.8207, 0.3647, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6251, 0.4398, 0.2310 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(222, 35, 140)` looks like.

```
.text, #text, p{  
    color:rgb(222, 35, 140)  
}
```

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(222, 35, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 35, 140) }
```

Border

The CSS property to change the border of an element to Yxy 18.6251, 0.4398, 0.2310 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(222, 35, 140) }
```

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

```
.border{ border-color:rgb(222, 35, 140) }
```

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

Here you see how a box with a 4 pixel rgb(222, 35, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 35, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 35, 140);  
box-shadow:4px 4px 4px 4px rgb(222, 35,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6251, 0.4398, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 35, 140) }
```

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

```
.background{ background-color: rgb(222, 35,  
140) }
```

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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