

Converting Colors

$Y_{xy}(18.8929, 0.4516, 0.2343)$

Have a look what the booklet for
Yxy(18.8929, 0.4516, 0.2343)
contains.

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Color

Yxy(18.8536, 0.4508, 0.2340)

Conversions

Conversions Part 1

Format	Color
Hex	E21D89
RGB	226, 29, 137
RGB Percent	89%, 11%, 54%
CMY	0.1137, 0.8863, 0.4627
CMYK	0.00, 0.87, 0.39, 0.11
HSL	327°, 77%, 50%
HSV	327°, 87%, 89%
XYZ	36.3214, 18.8536, 25.3960
YIQ	100.2150, 82.7440, 75.3520

Conversions

Conversions Part 2

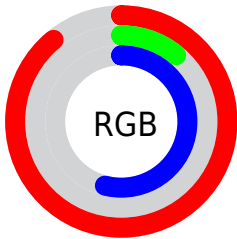
Format	Color
R _Y B	226, 29, 137
Decimal	14818697
CIE Lab	50.52, 76.13, -8.43
CIE LCh	51, 76.597, 353.682
Yxy	18.8536, 0.4508, 0.2340
Android (android.graphics.Color)	4293008777 (0xFFE21D89)
YUV	100.2150, 18.1350, 110.3134
Hunter-Lab	43.4207, 73.3287, -4.2831

Details

The Yxy color **18.8536, 0.4508, 0.2340** 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 **55.9659, 0.2735, 0.4942**, and the grayscale version is **12.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4804, 0.3887, 0.2424**, and **8.6875, 0.4827, 0.2433** is the 20% darker color. If you saturate the color by 10%, you get **17.8359, 0.4720, 0.2388**, and if you desaturate by 10%, it is **20.7030, 0.4290, 0.2346**.

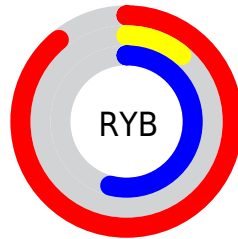
Distribution



Red (89%)

Green (11%)

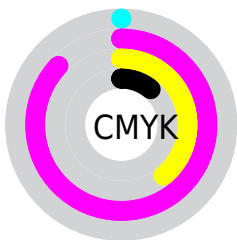
Blue (54%)



Red (89%)

Yellow (11%)

Blue (54%)

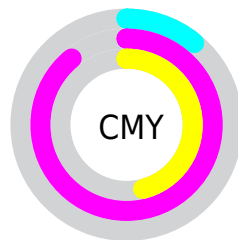


Cyan (0%)

Magenta (87%)

Yellow (39%)

Black (11%)



Cyan (11%)


Magenta (89%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8536, 0.4508, 0.2340 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 18.8536, 0.4508, 0.2340 by changing the saturation by 10% instead.


 18.8536, 0.4508,
0.2340


 18.8536, 0.4508,
0.2340


245.6394, 0.3738,
0.2854


 11.5645, 0.4728,
0.2200


 41.4866, 0.4208,
0.2536


 6.4479, 0.5027,
0.2014


 57.5993, 0.4102,
0.2607


 3.1193, 0.5454,
0.1757


 77.4220, 0.4014,
0.2665

 1.1943, 0.6101,
0.1388

 101.3391, 0.3941,
0.2715

 0.0571, 0.7743,
0.0182

 129.7350, 0.3879,
0.2757

 0.0000, 1.0000,
0.0000

 162.9941, 0.3825,

 0.0000, 0.0000,

0.2794

0.0000

201.5007, 0.3779,
0.2826

■ 18.8536, 0.4508,
0.2340

■ 18.8536, 0.4508,
0.2340

■ 17.8359, 0.4720,
0.2388

■ 20.7030, 0.4290,
0.2346

■ 17.6233, 0.4780,
0.2407

■ 23.5419, 0.4076,
0.2402

■ 27.4943, 0.3875,
0.2498

■ 32.6650, 0.3694,
0.2621

■ 39.1467, 0.3535,
0.2761

■ 47.0228, 0.3398,
0.2907

■ 56.3700, 0.3283,
0.3053

■ 67.2592, 0.3186,
0.3194

■ 79.7567, 0.3106,
0.3327

Harmonies

Analogous

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



18.8536, 0.3011, 0.1765



18.8536, 0.4508, 0.2340



18.8536, 0.5623, 0.3068

Triad

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



18.8536, 0.4508, 0.2340



18.8536, 0.3886, 0.5747



18.8536, 0.1025, 0.1809

Complementary

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



18.8536, 0.4508, 0.2340



55.9659, 0.2735, 0.4942

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.



18.8536, 0.1128, 0.2754



18.8536, 0.4508, 0.2340



18.8536, 0.2702, 0.5883

Square

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



18.8536, 0.4508, 0.2340



18.8536, 0.4991, 0.4814



18.8536, 0.1679, 0.4459



18.8536, 0.1262, 0.1453

Rectangle

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



18.8536, 0.4508, 0.2340



18.8536, 0.5798, 0.3591



18.8536, 0.1679, 0.4459



18.8536, 0.1019, 0.2042

Sweetspot

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



18.8547, 0.4508, 0.2340



62.9653, 0.3386, 0.2922



10.1964, 0.2065, 0.0975



12.6440, 0.3430, 0.2870



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.



18.8547, 0.4508, 0.2340



23.1480, 0.4793, 0.2414



17.1936, 0.6082, 0.3251



13.8257, 0.3207, 0.3162



10.0775, 0.4748, 0.2390



0.7165, 0.4446, 0.2223

Inverse Universe

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



18.8547, 0.4508, 0.2340



23.1480, 0.4793, 0.2414



59.6243, 0.2303, 0.3423



13.8257, 0.3207, 0.3162



10.0775, 0.4748, 0.2390



0.7165, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 18.8536, 0.4508, 0.2340 looks on a white background.

Color Contrast Check

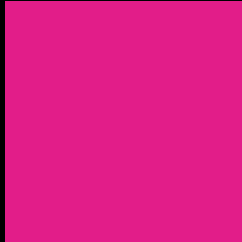
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8536, 0.4508, 0.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

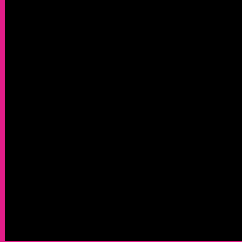
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8536, 0.4508, 0.2340

Background



This preview shows how black text looks on a background with the Yxy color 18.8536, 0.4508, 0.2340.



This preview shows how white text looks on a background with the Yxy color 18.8536, 0.4508, 0.2340.

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

18.8536, 0.4508, 0.2340

Protanopia

19.3266, 0.2231, 0.2090

Deuteranopia

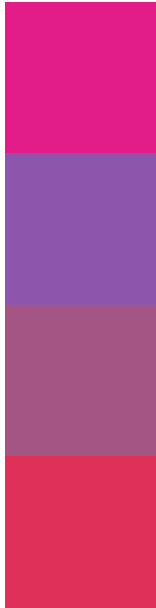
19.0007, 0.3174, 0.3109



Tritanopia

18.8370, 0.5613, 0.3281

Trichromacy



Original Color

18.8536, 0.4508, 0.2340

Protanomaly

15.2969, 0.2793, 0.1964

Deuteranomaly

16.1350, 0.3665, 0.2587

Tritanomaly

18.5231, 0.5277, 0.2936

Monochromacy



Original Color

18.8536, 0.4508, 0.2340

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.2008, 0.3713, 0.2621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8536, 0.4508, 0.2340 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(226, 29, 137)` looks like.

```
.text, #text, p{  
    color:rgb(226, 29, 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(226, 29, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 29, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.8536, 0.4508, 0.2340 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(226, 29, 137) }
```

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

```
.border{ border-color:rgb(226, 29, 137) }
```

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

Here you see how a box with a 4 pixel rgb(226, 29, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 29, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 29, 137);  
box-shadow:4px 4px 4px 4px rgb(226, 29,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8536, 0.4508, 0.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 29, 137) }
```

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

```
.background{ background-color: rgb(226, 29,  
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](#).

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