

Converting Colors

$Yxy(19.4988, 0.4795, 0.2439)$

Have a look what the booklet for
Yxy(19.4988, 0.4795, 0.2439)
contains.

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Color

Yxy(19.4836, 0.4790, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	EB0C80
RGB	235, 12, 128
RGB Percent	92%, 5%, 50%
CMY	0.0783, 0.9535, 0.4980
CMYK	0.00, 0.95, 0.46, 0.08
HSL	329°, 90%, 48%
HSV	329°, 95%, 92%
XYZ	38.2956, 19.4836, 22.1699
YIQ	91.9010, 95.6720, 83.3520

Conversions

Conversions Part 2

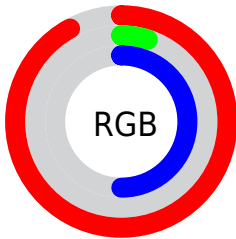
Format	Color
R_{YB}	235, 12, 128
Decimal	15404160
CIE _{Lab}	51.25, 79.43, -1.72
CIE _{LCh}	51, 79.450, 358.763
Yxy	19.4836, 0.4790, 0.2437
Android (android.graphics.Color)	4293594240 (0xFFEB0C80)
YUV	91.9010, 17.7968, 125.4978
Hunter-Lab	44.1402, 77.6194, 1.1191

Details

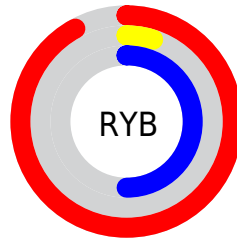
The Yxy color **19.4836, 0.4790, 0.2437** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **60.8365, 0.2733, 0.5010**, and the grayscale version is **10.6017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3316, 0.4008, 0.2477**, and **9.4487, 0.5132, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **19.0797, 0.4903, 0.2475**, and if you desaturate by 10%, it is **20.7620, 0.4559, 0.2392**.

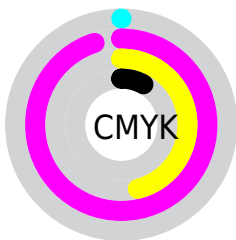
Distribution



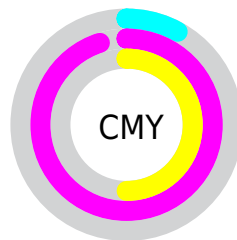
- Red (92%)
- Green (5%)
- Blue (50%)



- Red (92%)
- Yellow (5%)
- Blue (50%)



- Cyan (0%)
- Magenta (95%)
- Yellow (46%)
- Black (8%)





- Cyan (8%)
- Magenta (95%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4836, 0.4790, 0.2437 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 19.4836, 0.4790, 0.2437 by changing the saturation by 10% instead.

 19.4836, 0.4790,
0.2437


 19.4836, 0.4790,
0.2437


249.1057, 0.3858,
0.2911


 12.0202, 0.5056,
0.2303


 42.5497, 0.4427,
0.2621

 6.7575, 0.5418,
0.2122


 58.9212, 0.4298,
0.2687

 3.3109, 0.5930,
0.1868

 79.0309, 0.4192,
0.2741

 1.2961, 0.6693,
0.1495

 103.2631, 0.4103,
0.2786

 0.1382, 0.8713,
0.0435

 132.0023, 0.4028,
0.2824

 0.0000, 1.0000,
0.0000

 165.6329, 0.3963,

 0.0000, 0.0000,

0.2857

0.0000

204.5392, 0.3907,
0.2886

■ 19.4836, 0.4790,
0.2437

■ 19.4836, 0.4790,
0.2437

■ 19.0797, 0.4903,
0.2475

■ 20.7620, 0.4559,
0.2392

■ 22.9998, 0.4322,
0.2403

■ 26.3581, 0.4093,
0.2462

■ 30.9673, 0.3881,
0.2559

■ 36.9397, 0.3691,
0.2681

■ 44.3750, 0.3526,
0.2816

■ 53.3634, 0.3386,
0.2956

■ 63.9878, 0.3268,
0.3094

■ 76.3252, 0.3169,
0.3227

Harmonies

Analogous

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



19.4836, 0.3251, 0.1819



19.4836, 0.4790, 0.2437



19.4836, 0.5773, 0.3183

Triad

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



19.4836, 0.4790, 0.2437



19.4836, 0.3677, 0.5913



19.4836, 0.1010, 0.1683

Complementary

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



19.4836, 0.4790, 0.2437



60.8365, 0.2733, 0.5010

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.



19.4836, 0.1048, 0.2515



19.4836, 0.4790, 0.2437



19.4836, 0.2483, 0.5820

Square

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



19.4836, 0.4790, 0.2437



19.4836, 0.4838, 0.5001



19.4836, 0.1512, 0.4158



19.4836, 0.1307, 0.1400

Rectangle

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



19.4836, 0.4790, 0.2437



19.4836, 0.5819, 0.3720



19.4836, 0.1512, 0.4158



19.4836, 0.0984, 0.1883

Sweetspot

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



19.4847, 0.4790, 0.2437



60.5829, 0.3427, 0.2912



9.9721, 0.2000, 0.0893



11.9700, 0.3489, 0.2851



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.



19.4847, 0.4790, 0.2437



22.9460, 0.4913, 0.2480



17.9738, 0.6302, 0.3282



15.1850, 0.3211, 0.3168



10.6422, 0.4869, 0.2456



0.8551, 0.4577, 0.2295

Inverse Universe

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



19.4847, 0.4790, 0.2437



22.9460, 0.4913, 0.2480



65.0863, 0.2279, 0.3386



15.1850, 0.3211, 0.3168



10.6422, 0.4869, 0.2456



0.8551, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 19.4836, 0.4790, 0.2437 looks on a white background.

Color Contrast Check

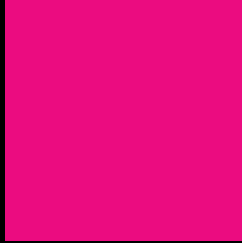
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4836, 0.4790, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

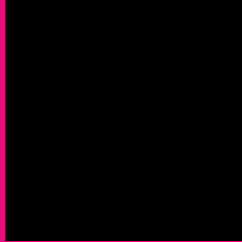
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4836, 0.4790, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 19.4836, 0.4790, 0.2437.



This preview shows how white text looks on a background with the Yxy color 19.4836, 0.4790, 0.2437.

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

19.4836, 0.4790, 0.2437

Protanopia

19.9602, 0.2355, 0.2242

Deuteranopia

19.8200, 0.3369, 0.3309



Tritanopia

19.6928, 0.5829, 0.3298

Trichromacy



Original Color

19.4836, 0.4790, 0.2437



Protanomaly

15.0492, 0.2998, 0.2030



Deuteranomaly

16.0267, 0.3942, 0.2675



Tritanomaly

19.0581, 0.5542, 0.2985

Monochromacy



Original Color

19.4836, 0.4790, 0.2437



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5042, 0.3871, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4836, 0.4790, 0.2437 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(235, 12, 128)` looks like.

```
.text, #text, p{  
    color:rgb(235, 12, 128)  
}
```

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(235, 12, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 12, 128) }
```

Border

The CSS property to change the border of an element to Yxy 19.4836, 0.4790, 0.2437 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(235, 12, 128) }
```

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

```
.border{ border-color:rgb(235, 12, 128) }
```

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

Here you see how a box with a 4 pixel rgb(235, 12, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 12, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 12, 128);  
box-shadow:4px 4px 4px 4px rgb(235, 12,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4836, 0.4790, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 12, 128) }
```

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

```
.background{ background-color: rgb(235, 12,  
128) }
```

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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