

Converting Colors

$Y_{xy}(18.7843, 0.5110, 0.2594)$

Have a look what the booklet for
Yxy(18.7843, 0.5110, 0.2594)
contains.

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Color

Yxy(18.8533, 0.5109, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	EB026F
RGB	235, 2, 111
RGB Percent	92%, 1%, 44%
CMY	0.0783, 0.9931, 0.5647
CMYK	0.00, 0.99, 0.53, 0.08
HSL	332°, 99%, 46%
HSV	332°, 99%, 92%
XYZ	37.1611, 18.8533, 16.7221
YIQ	84.0930, 103.8790, 83.2950

Conversions

Conversions Part 2

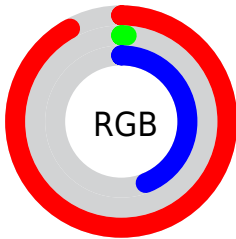
Format	Color
R_{YB}	235, 2, 111
Decimal	15401583
CIE Lab	50.52, 78.91, 7.58
CIE LCh	51, 79.271, 5.485
Yxy	18.8533, 0.5109, 0.2592
Android (android.graphics.Color)	4293591663 (0xFFEB026F)
YUV	84.0930, 13.2652, 132.3454
Hunter-Lab	43.4204, 76.7825, 7.5604

Details

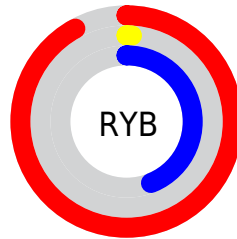
The Yxy color **18.8533, 0.5109, 0.2592** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **60.9493, 0.2699, 0.4911**, and the grayscale version is **8.8144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0531, 0.4266, 0.2637**, and **9.1408, 0.5478, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **18.7955, 0.5128, 0.2599**, and if you desaturate by 10%, it is **19.8178, 0.4854, 0.2516**.

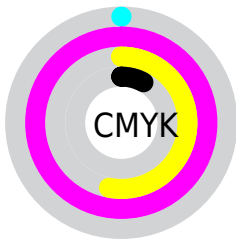
Distribution



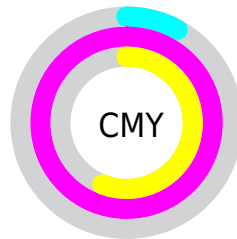
- Red (92%)
- Green (1%)
- Blue (44%)



- Red (92%)
- Yellow (1%)
- Blue (44%)



- Cyan (0%)
- Magenta (99%)
- Yellow (53%)
- Black (8%)





- Cyan (8%)
- Magenta (99%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8533, 0.5109, 0.2592 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 18.8533, 0.5109, 0.2592 by changing the saturation by 10% instead.

 18.8533, 0.5109,
0.2592


 18.8533, 0.5109,
0.2592


245.6377, 0.3984,
0.3008


 11.5643, 0.5433,
0.2463


 41.4861, 0.4668,
0.2761

 6.4478, 0.5872,
0.2283


 57.5986, 0.4512,
0.2819


 3.1192, 0.6488,
0.2017

 77.4212, 0.4384,
0.2866

 1.1943, 0.7394,
0.1611

 101.3382, 0.4277,
0.2905

 0.0570, 0.9783,
0.0217

 129.7339, 0.4187,
0.2937

 0.0000, 1.0000,
0.0000

 162.9928, 0.4110,

 0.0000, 0.0000,

0.2964

0.0000

201.4993, 0.4043,
0.2988

■ 18.8533, 0.5109,
0.2592

■ 18.8533, 0.5109,
0.2592

■ 18.7955, 0.5128,
0.2599

■ 19.8178, 0.4854,
0.2516

■ 21.6236, 0.4586,
0.2491

■ 24.4928, 0.4319,
0.2519

■ 28.5670, 0.4068,
0.2590

■ 33.9658, 0.3841,
0.2690

■ 40.7941, 0.3644,
0.2809

■ 49.1463, 0.3475,
0.2934

■ 59.1085, 0.3334,
0.3060

■ 70.7605, 0.3217,
0.3183

Harmonies

Analogous

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



18.8533, 0.3595, 0.1929



18.8533, 0.5109, 0.2592



18.8533, 0.5862, 0.3354

Triad

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



18.8533, 0.5109, 0.2592



18.8533, 0.3401, 0.6049



18.8533, 0.1036, 0.1571

Complementary

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



18.8533, 0.5109, 0.2592



60.9493, 0.2699, 0.4911

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.



18.8533, 0.0996, 0.2253



18.8533, 0.5109, 0.2592



18.8533, 0.2222, 0.5576

Square

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



18.8533, 0.5109, 0.2592



18.8533, 0.4598, 0.5243



18.8533, 0.1350, 0.3730



18.8533, 0.1415, 0.1376

Rectangle

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



18.8533, 0.5109, 0.2592



18.8533, 0.5751, 0.3910



18.8533, 0.1350, 0.3730



18.8533, 0.0986, 0.1730

Sweetspot

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



18.8544, 0.5109, 0.2592



58.1719, 0.3489, 0.2923



10.1972, 0.2049, 0.0905



11.5061, 0.3558, 0.2869



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.



18.8544, 0.5109, 0.2592



22.6020, 0.5138, 0.2604



17.7948, 0.6382, 0.3307



15.1715, 0.3219, 0.3180



10.4823, 0.5090, 0.2578



0.8424, 0.4762, 0.2397

Inverse Universe

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



18.8544, 0.5109, 0.2592



22.6020, 0.5138, 0.2604



63.2460, 0.2233, 0.3236



15.1715, 0.3219, 0.3180



10.4823, 0.5090, 0.2578



0.8424, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 18.8533, 0.5109, 0.2592 looks on a white background.

Color Contrast Check

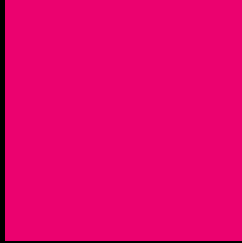
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8533, 0.5109, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

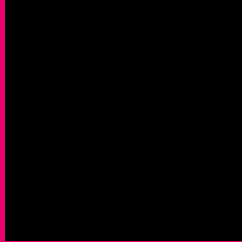
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8533, 0.5109, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 18.8533, 0.5109, 0.2592.



This preview shows how white text looks on a background with the Yxy color 18.8533, 0.5109, 0.2592.

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

18.8533, 0.5109, 0.2592

Protanopia

19.3857, 0.2610, 0.2567

Deuteranopia

19.3249, 0.3646, 0.3577



Tritanopia

19.1390, 0.5969, 0.3298

Trichromacy



Original Color

18.8533, 0.5109, 0.2592



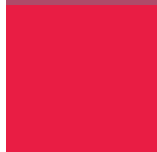
Protanomaly

14.3588, 0.3368, 0.2268



Deuteranomaly

15.1660, 0.4291, 0.2861



Tritanomaly

18.6197, 0.5759, 0.3056

Monochromacy



Original Color

18.8533, 0.5109, 0.2592



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.9355, 0.4054, 0.2590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8533, 0.5109, 0.2592 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, 2, 111)` looks like.

```
.text, #text, p{  
    color:rgb(235, 2, 111)  
}
```

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, 2, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 2, 111) }
```

Border

The CSS property to change the border of an element to Yxy 18.8533, 0.5109, 0.2592 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, 2, 111) }
```

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

```
.border{ border-color:rgb(235, 2, 111) }
```

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

Here you see how a box with a 4 pixel rgb(235, 2, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 2, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 2, 111);  
box-shadow:4px 4px 4px 4px rgb(235, 2,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8533, 0.5109, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 2, 111) }
```

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

```
.background{ background-color: rgb(235, 2,  
111) }
```

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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