

Converting Colors

$Yxy(18.6396, 0.5194, 0.2635)$

Have a look what the booklet for
Yxy(18.6396, 0.5194, 0.2635)
contains.

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Color

Yxy(18.7028, 0.5202, 0.2639)

Conversions

Conversions Part 1

Format	Color
Hex	EB006A
RGB	235, 0, 106
RGB Percent	92%, 0%, 42%
CMY	0.0784, 1.0000, 0.5843
CMYK	0.00, 1.00, 0.55, 0.08
HSL	333°, 100%, 46%
HSV	333°, 100%, 92%
XYZ	36.8670, 18.7028, 15.3010
YIQ	82.3490, 106.0340, 82.7860

Conversions

Conversions Part 2

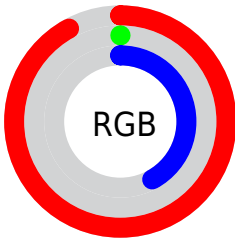
Format	Color
R_{YB}	235, 0, 106
Decimal	15401066
CIE _{Lab}	50.34, 78.71, 10.40
CIE _{LCh}	50, 79.390, 7.524
Yxy	18.7028, 0.5202, 0.2639
Android (android.graphics.Color)	4293591146 (0xFFEB006A)
YUV	82.3490, 11.6599, 133.8749
Hunter-Lab	43.2467, 76.4859, 9.2955

Details

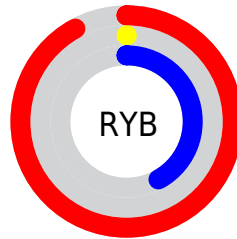
The Yxy color **18.7028, 0.5202, 0.2639** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **61.0131, 0.2684, 0.4863**, and the grayscale version is **8.4725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8787, 0.4334, 0.2687**, and **9.0864, 0.5591, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **18.7059, 0.5202, 0.2639**, and if you desaturate by 10%, it is **19.6277, 0.4939, 0.2557**.

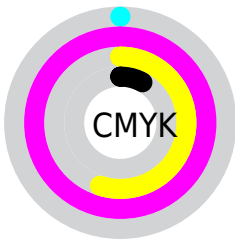
Distribution



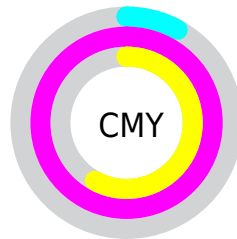
- Red (92%)
- Green (0%)
- Blue (42%)



- Red (92%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7028, 0.5202, 0.2639 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 18.7028, 0.5202, 0.2639 by changing the saturation by 10% instead.


 18.7028, 0.5202,
0.2639


 18.7028, 0.5202,
0.2639


244.8031, 0.4022,
0.3038


 11.4557, 0.5541,
0.2511


 41.2313, 0.4739,
0.2804

 6.3742, 0.6000,
0.2330


 57.2815, 0.4575,
0.2860


 3.0740, 0.6639,
0.2059

 77.0349, 0.4441,
0.2905

 1.1705, 0.7617,
0.1651

 100.8758, 0.4329,
0.2941

 0.0374, 0.9854,
0.0146

 129.1887, 0.4234,
0.2972

 0.0000, 1.0000,
0.0000

 162.3580, 0.4153,

 0.0000, 0.0000,

0.2997

0.0000

200.7680, 0.4083,
0.3019

■ 18.7028, 0.5202,
0.2639

■ 18.7028, 0.5202,
0.2639

■ 18.7059, 0.5202,
0.2639

■ 19.6277, 0.4939,
0.2557

■ 21.3592, 0.4662,
0.2525

■ 24.1444, 0.4383,
0.2545

■ 28.1272, 0.4120,
0.2609

■ 33.4285, 0.3882,
0.2704

■ 40.1544, 0.3675,
0.2817

■ 48.4001, 0.3498,
0.2938

■ 58.2523, 0.3351,
0.3060

■ 69.7914, 0.3228,
0.3178

Harmonies

Analogous

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



18.7028, 0.3704, 0.1964



18.7028, 0.5202, 0.2639



18.7028, 0.5881, 0.3406

Triad

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



18.7028, 0.5202, 0.2639



18.7028, 0.3316, 0.6082



18.7028, 0.1045, 0.1540

Complementary

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



18.7028, 0.5202, 0.2639



61.0131, 0.2684, 0.4863

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.



18.7028, 0.0983, 0.2180



18.7028, 0.5202, 0.2639



18.7028, 0.2143, 0.5488

Square

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



18.7028, 0.5202, 0.2639



18.7028, 0.4522, 0.5317



18.7028, 0.1304, 0.3603



18.7028, 0.1450, 0.1371

Rectangle

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



18.7028, 0.5202, 0.2639



18.7028, 0.5723, 0.3969



18.7028, 0.1304, 0.3603



18.7028, 0.0988, 0.1688

Sweetspot

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



18.7059, 0.5202, 0.2639



58.1043, 0.3500, 0.2936



10.3851, 0.2075, 0.0917



11.4902, 0.3572, 0.2884



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.



18.7059, 0.5202, 0.2639



22.4979, 0.5212, 0.2645



17.8354, 0.6383, 0.3314



15.1670, 0.3222, 0.3184



10.4337, 0.5163, 0.2618



0.8385, 0.4824, 0.2431

Inverse Universe

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



18.7059, 0.5202, 0.2639



22.4979, 0.5212, 0.2645



61.0386, 0.2218, 0.3184



15.1670, 0.3222, 0.3184



10.4337, 0.5163, 0.2618



0.8385, 0.4824, 0.2431

Previews

White Background



This preview shows how the Yxy color 18.7028, 0.5202, 0.2639 looks on a white background.

Color Contrast Check

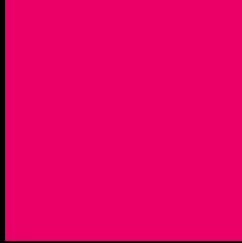
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7028, 0.5202, 0.2639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

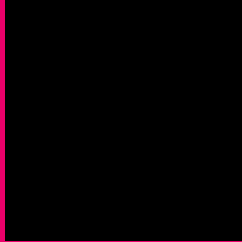
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7028, 0.5202, 0.2639

Background



This preview shows how black text looks on a background with the Yxy color 18.7028, 0.5202, 0.2639.



This preview shows how white text looks on a background with the Yxy color 18.7028, 0.5202, 0.2639.

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

18.7028, 0.5202, 0.2639

Protanopia

19.2767, 0.2692, 0.2681

Deuteranopia

19.3179, 0.3724, 0.3665



Tritanopia

18.9718, 0.6010, 0.3304

Trichromacy



Original Color

18.7028, 0.5202, 0.2639



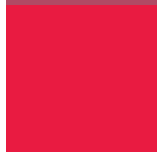
Protanomaly

14.1431, 0.3475, 0.2340



Deuteranomaly

15.0478, 0.4401, 0.2924



Tritanomaly

18.4892, 0.5809, 0.3073

Monochromacy



Original Color

18.7028, 0.5202, 0.2639



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.6146, 0.4114, 0.2606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7028, 0.5202, 0.2639 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, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 106)  
}
```

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, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.7028, 0.5202, 0.2639 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, 0, 106) }
```

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

```
.border{ border-color:rgb(235, 0, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7028, 0.5202, 0.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 106) }
```

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

```
.background{ background-color: rgb(235, 0,  
106) }
```

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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