

Converting Colors

$Yxy(18.9893, 0.5446, 0.2863)$

Have a look what the booklet for
Yxy(18.9893, 0.5446, 0.2863)
contains.

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Color

Yxy(18.9976, 0.5446, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	EA1B59
RGB	234, 27, 89
RGB Percent	92%, 11%, 35%
CMY	0.0824, 0.8939, 0.6510
CMYK	0.00, 0.88, 0.62, 0.08
HSL	342°, 83%, 51%
HSV	342°, 88%, 92%
XYZ	36.1246, 18.9976, 11.2102
YIQ	95.9610, 103.4700, 63.1660

Conversions

Conversions Part 2

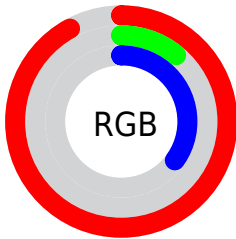
Format	Color
RYB	234, 27, 89
Decimal	15342425
CIELab	50.68, 74.75, 21.24
CIElCh	51, 77.706, 15.860
Yxy	18.9976, 0.5446, 0.2864
Android (android.graphics.Color)	4293532505 (0xFFEA1B59)
YUV	95.9610, -3.4318, 121.0602
Hunter-Lab	43.5862, 71.6663, 15.2613

Details

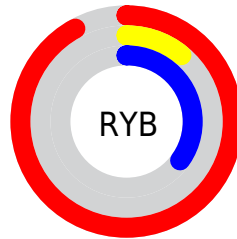
The Yxy color **18.9976, 0.5446, 0.2864** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **62.0566, 0.2514, 0.4180**, and the grayscale version is **11.6844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4314, 0.4554, 0.2922**, and **8.7279, 0.5887, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **18.0462, 0.5757, 0.2955**, and if you desaturate by 10%, it is **20.8395, 0.5089, 0.2816**.

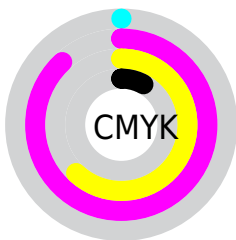
Distribution



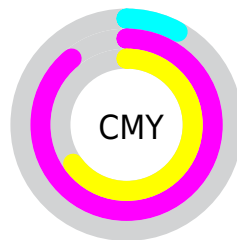
- Red (92%)
- Green (11%)
- Blue (35%)



- Red (92%)
- Yellow (11%)
- Blue (35%)



- Cyan (0%)
- Magenta (88%)
- Yellow (62%)
- Black (8%)



- Cyan (8%)
- Magenta (89%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9976, 0.5446, 0.2864 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 18.9976, 0.5446, 0.2864 by changing the saturation by 10% instead.


 18.9976, 0.5446,
0.2864


 18.9976, 0.5446,
0.2864


246.4355, 0.4129,
0.3171

 11.6685, 0.5817,
0.2748


 41.7300, 0.4933,
0.3003


 6.5184, 0.6309,
0.2573


 57.9022, 0.4750,
0.3046


 3.1628, 0.6971,
0.2296

 77.7909, 0.4599,
0.3080

 1.2173, 0.8102,
0.1898

 101.7805, 0.4474,
0.3106

 0.0758, 0.9694,
0.0306

 130.2553, 0.4368,
0.3127

 0.0000, 1.0000,
0.0000

 163.5998, 0.4277,

 0.0000, 0.0000,

0.3144

0.0000

202.1984, 0.4198,
0.3159

■ 18.9976, 0.5446,
0.2864

■ 18.9976, 0.5446,
0.2864

■ 18.0462, 0.5757,
0.2955

■ 20.8395, 0.5089,
0.2816

■ 17.9337, 0.5802,
0.2970

■ 23.7694, 0.4720,
0.2814

■ 27.9281, 0.4370,
0.2850

■ 33.4346, 0.4058,
0.2911

■ 40.3935, 0.3790,
0.2986

■ 48.8990, 0.3566,
0.3068

■ 59.0373, 0.3382,
0.3149

■ 70.8883, 0.3232,
0.3228

■ 84.5266, 0.3110,
0.3301

Harmonies

Analogous

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



18.9976, 0.4125, 0.2158



18.9976, 0.5446, 0.2864



18.9976, 0.5813, 0.3645

Triad

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



18.9976, 0.5446, 0.2864



18.9976, 0.2999, 0.6027



18.9976, 0.1153, 0.1490

Complementary

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



18.9976, 0.5446, 0.2864



62.0566, 0.2514, 0.4180

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.



18.9976, 0.1002, 0.1971



18.9976, 0.5446, 0.2864



18.9976, 0.1894, 0.4962

Square

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



18.9976, 0.5446, 0.2864



18.9976, 0.4191, 0.5551



18.9976, 0.1205, 0.3129



18.9976, 0.1665, 0.1415

Rectangle

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



18.9976, 0.5446, 0.2864



18.9976, 0.5509, 0.4232



18.9976, 0.1205, 0.3129



18.9976, 0.1067, 0.1595

Sweetspot

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



18.9988, 0.5446, 0.2864



60.9340, 0.3540, 0.3078



15.4874, 0.2541, 0.1221



12.2175, 0.3610, 0.3050



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.



18.9988, 0.5446, 0.2864



21.7861, 0.5814, 0.2976



21.7590, 0.5908, 0.3549



15.1282, 0.3246, 0.3220



10.0978, 0.5762, 0.2948



0.8094, 0.5368, 0.2731

Inverse Universe

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



18.9988, 0.5446, 0.2864



21.7861, 0.5814, 0.2976



44.1399, 0.2104, 0.2708



15.1282, 0.3246, 0.3220



10.0978, 0.5762, 0.2948



0.8094, 0.5368, 0.2731

Previews

White Background



This preview shows how the Yxy color 18.9976, 0.5446, 0.2864 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 18.9976, 0.5446, 0.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

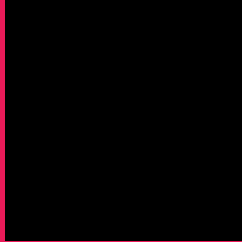
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9976, 0.5446, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 18.9976, 0.5446, 0.2864.

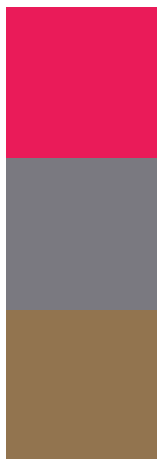


This preview shows how white text looks on a background with the Yxy color 18.9976, 0.5446, 0.2864.

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

18.9976, 0.5446, 0.2864

Protanopia

19.3708, 0.3060, 0.3160

Deuteranopia

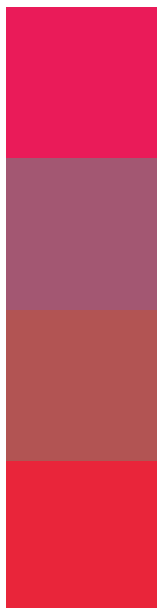
19.1663, 0.4003, 0.3932



Tritanopia

18.9718, 0.6010, 0.3304

Trichromacy



Original Color

18.9976, 0.5446, 0.2864

Protanomaly

15.8178, 0.3904, 0.2865

Deuteranomaly

16.4302, 0.4650, 0.3309

Tritanomaly

18.9523, 0.5858, 0.3169

Monochromacy



Original Color

18.9976, 0.5446, 0.2864

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.4078, 0.4103, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9976, 0.5446, 0.2864 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(234, 27, 89)` looks like.

```
.text, #text, p{  
    color:rgb(234, 27, 89)  
}
```

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(234, 27, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 27, 89) }
```

Border

The CSS property to change the border of an element to Yxy 18.9976, 0.5446, 0.2864 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(234, 27, 89) }
```

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

```
.border{ border-color:rgb(234, 27, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 27, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 27, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 27, 89);  
box-shadow:4px 4px 4px 4px rgb(234, 27,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9976, 0.5446, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 27, 89) }
```

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

```
.background{ background-color: rgb(234, 27,  
89) }
```

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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