

Converting Colors

$Y_{xy}(27.4461, 0.4410, 0.2871)$

Have a look what the booklet for
Yxy(27.4461, 0.4410, 0.2871)
contains.

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Color

Yxy(27.4386, 0.4410, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	E96087
RGB	233, 96, 135
RGB Percent	91%, 38%, 53%
CMY	0.0863, 0.6235, 0.4705
CMYK	0.00, 0.59, 0.42, 0.09
HSL	343°, 76%, 65%
HSV	343°, 59%, 91%
XYZ	42.1618, 27.4386, 26.0045
YIQ	141.4090, 69.1330, 41.1730

Conversions

Conversions Part 2

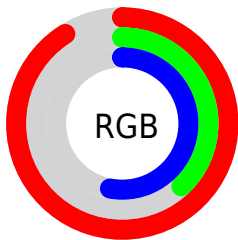
Format	Color
R _Y B	233, 96, 135
Decimal	15294599
CIE Lab	59.38, 56.42, 5.88
CIE LCh	59, 56.726, 5.945
Yxy	27.4386, 0.4410, 0.2870
Android (android.graphics.Color)	4293484679 (0xFFE96087)
YUV	141.4090, -3.1596, 80.3253
Hunter-Lab	52.3819, 52.0050, 7.2333

Details

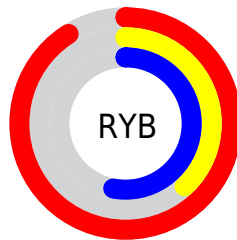
The Yxy color **27.4386, 0.4410, 0.2870** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **64.6591, 0.2577, 0.3813**, and the grayscale version is **26.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3473, 0.3791, 0.2916**, and **10.8793, 0.4854, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **23.3665, 0.4769, 0.2839**, and if you desaturate by 10%, it is **32.8465, 0.4088, 0.2927**.

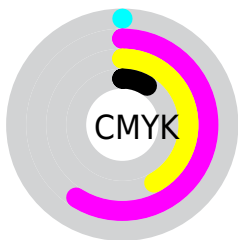
Distribution



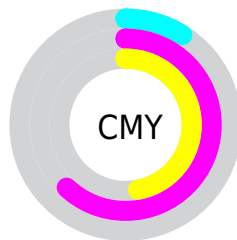
- Red (91%)
- Green (38%)
- Blue (53%)



- Red (91%)
- Yellow (38%)
- Blue (53%)



- Cyan (0%)
- Magenta (59%)
- Yellow (42%)
- Black (9%)





- Cyan (9%)
- Magenta (62%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4386, 0.4410, 0.2870 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 27.4386, 0.4410, 0.2870 by changing the saturation by 10% instead.

 27.4386, 0.4410,
0.2870


 27.4386, 0.4410,
0.2870


289.7745, 0.3713,
0.3108


 17.9029, 0.4602,
0.2801


 55.5869, 0.4143,
0.2964

 10.8803, 0.4860,
0.2705


 74.9683, 0.4047,
0.2997

 5.9864, 0.5220,
0.2568

 98.4003, 0.3967,
0.3024

 2.8368, 0.5754,
0.2354

 126.2674, 0.3900,
0.3046

 1.0471, 0.6624,
0.2001

158.9540, 0.3843,
0.3065

 0.0000, 1.0000,
0.0000

196.8445, 0.3794,

 0.0000, 0.0000,

0.3082

0.0000

240.3232, 0.3750,
0.3096

■ 27.4386, 0.4410,
0.2870

■ 27.4386, 0.4410,
0.2870

■ 23.3665, 0.4769,
0.2839

■ 32.8465, 0.4088,
0.2927

■ 20.5075, 0.5146,
0.2844

■ 39.6901, 0.3812,
0.2998

■ 18.7235, 0.5507,
0.2895


■ 48.0645, 0.3582,
0.3076


■ 17.8064, 0.5817,
0.2986

■ 58.0557, 0.3393,
0.3153

■ 17.7214, 0.5851,
0.2997

■ 69.7428, 0.3239,
0.3228

 83.2001, 0.3113,
0.3298

 95.8510, 0.3012,
0.3323

 96.0637, 0.2993,
0.3290

Harmonies

Analogous

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



27.4386, 0.3477, 0.2347



27.4386, 0.4410, 0.2870



27.4386, 0.4939, 0.3495

Triad

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



27.4386, 0.4410, 0.2870



27.4386, 0.3468, 0.5047



27.4386, 0.1607, 0.2110

Complementary

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



27.4386, 0.4410, 0.2870



64.6591, 0.2577, 0.3813

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.



27.4386, 0.1600, 0.2659



27.4386, 0.4410, 0.2870



27.4386, 0.2602, 0.4609

Square

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



27.4386, 0.4410, 0.2870



27.4386, 0.4291, 0.4768



27.4386, 0.1929, 0.3598



27.4386, 0.1923, 0.1918

Rectangle

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



27.4386, 0.4410, 0.2870



27.4386, 0.4949, 0.3936



27.4386, 0.1929, 0.3598



27.4386, 0.1570, 0.2249

Sweetspot

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



27.4401, 0.4410, 0.2870



72.1933, 0.3381, 0.3159



25.4432, 0.2783, 0.1744



14.6305, 0.3432, 0.3136



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.



27.4401, 0.4410, 0.2870



27.6448, 0.4865, 0.2836



32.4344, 0.4742, 0.3590



15.1246, 0.3248, 0.3223



10.0739, 0.5812, 0.2975



0.8071, 0.5418, 0.2758

Inverse Universe

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



27.4401, 0.4410, 0.2870



27.6448, 0.4865, 0.2836



52.3209, 0.2321, 0.2926



15.1246, 0.3248, 0.3223



10.0739, 0.5812, 0.2975



0.8071, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 27.4386, 0.4410, 0.2870 looks on a white background.

Color Contrast Check

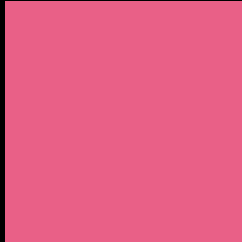
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4386, 0.4410, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

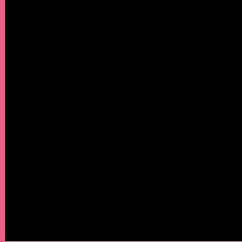
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4386, 0.4410, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 27.4386, 0.4410, 0.2870.



This preview shows how white text looks on a background with the Yxy color 27.4386, 0.4410, 0.2870.

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

27.4386, 0.4410, 0.2870

Protanopia

27.6174, 0.2926, 0.2974

Deuteranopia

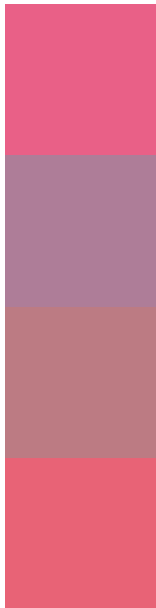
27.5485, 0.3506, 0.3430



Tritanopia

27.3790, 0.4741, 0.3219

Trichromacy



Original Color

27.4386, 0.4410, 0.2870

Protanomaly

25.9329, 0.3403, 0.2898

Deuteranomaly

26.4960, 0.3831, 0.3180

Tritanomaly

27.3875, 0.4625, 0.3089

Monochromacy



Original Color

27.4386, 0.4410, 0.2870

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.5300, 0.3558, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4386, 0.4410, 0.2870 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(233, 96, 135)` looks like.

```
.text, #text, p{  
    color:rgb(233, 96, 135)  
}
```

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(233, 96, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 96, 135) }
```

Border

The CSS property to change the border of an element to Yxy 27.4386, 0.4410, 0.2870 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(233, 96, 135) }
```

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

```
.border{ border-color:rgb(233, 96, 135) }
```

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

Here you see how a box with a 4 pixel rgb(233, 96, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 96, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 96, 135);  
box-shadow:4px 4px 4px 4px rgb(233, 96,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4386, 0.4410, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 96, 135) }
```

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

```
.background{ background-color: rgb(233, 96,  
135) }
```

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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