

Converting Colors

$Y_{xy}(27.5595, 0.3579, 0.2107)$

Have a look what the booklet for
Yxy(27.5595, 0.3579, 0.2107)
contains.

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Color

Yxy(27.5874, 0.3586, 0.2110)

Conversions

Conversions Part 1

Format	Color
Hex	E953C6
RGB	233, 83, 198
RGB Percent	91%, 33%, 78%
CMY	0.0863, 0.6744, 0.2236
CMYK	0.00, 0.64, 0.15, 0.09
HSL	314°, 77%, 62%
HSV	314°, 64%, 91%
XYZ	46.8855, 27.5874, 56.2731
YIQ	140.9600, 52.4850, 67.5650

Conversions

Conversions Part 2

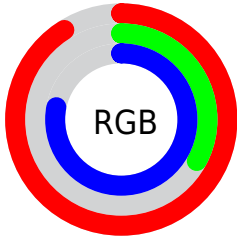
Format	Color
R _Y B	233, 83, 198
Decimal	15291334
CIE Lab	59.51, 69.57, -30.30
CIE LCh	60, 75.888, 336.464
Yxy	27.5874, 0.3586, 0.2110
Android (android.graphics.Color)	4293481414 (0xFFE953C6)
YUV	140.9600, 28.1207, 80.7191
Hunter-Lab	52.5237, 67.4223, -26.7558

Details

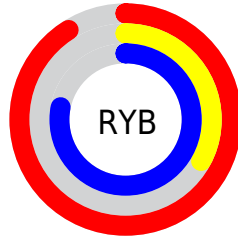
The Yxy color **27.5874, 0.3586, 0.2110** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **61.4178, 0.2890, 0.4933**, and the grayscale version is **26.4962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5298, 0.3179, 0.2195**, and **11.0123, 0.3697, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **24.3549, 0.3680, 0.2002**, and if you desaturate by 10%, it is **32.0290, 0.3495, 0.2256**.

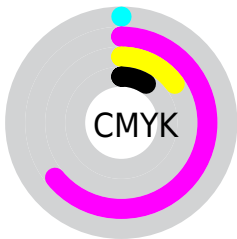
Distribution



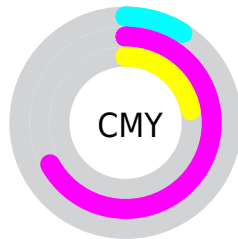
- Red (91%)
- Green (33%)
- Blue (78%)



- Red (91%)
- Yellow (33%)
- Blue (78%)



- Cyan (0%)
- Magenta (64%)
- Yellow (15%)
- Black (9%)



- Cyan (9%)
- Magenta (67%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5874, 0.3586, 0.2110 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 27.5874, 0.3586, 0.2110 by changing the saturation by 10% instead.


 27.5874, 0.3586,
0.2110


 27.5874, 0.3586,
0.2110


290.4901, 0.3368,
0.2681


 18.0149, 0.3636,
0.1976

 55.8250, 0.3510,
0.2312

 10.9607, 0.3697,
0.1809


 75.2589, 0.3481,
0.2389

 6.0404, 0.3773,
0.1597


 98.7487, 0.3455,
0.2456

 2.8697, 0.3868,
0.1322

 126.6788, 0.3433,
0.2513

 1.0641, 0.3984,
0.0963

159.4336, 0.3414,
0.2563

 0.0000, 0.4332,
0.0000

197.3975, 0.3397,

 0.0000, 0.4105,

0.2607

0.0000

240.9548, 0.3382,
0.2646

■ 0.0000, 0.0000,
0.0000

■ 27.5874, 0.3586,
0.2110

■ 27.5874, 0.3586,
0.2110

■ 24.3549, 0.3680,
0.2002

■ 32.0290, 0.3495,
0.2256

■ 22.2019, 0.3775,
0.1939

■ 37.7837, 0.3409,
0.2429

■ 20.9764, 0.3866,
0.1924

■ 44.9493, 0.3331,
0.2620


■ 20.5600, 0.3916,
0.1931


■ 53.6127, 0.3261,
0.2818

■ 63.8541, 0.3200,
0.3016

 75.7479, 0.3148,
0.3209

 89.3637, 0.3103,
0.3392

 95.2209, 0.3069,
0.3425

 95.5516, 0.3038,
0.3370

Harmonies

Analogous

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



27.5874, 0.2397, 0.1709



27.5874, 0.3586, 0.2110



27.5874, 0.4847, 0.2729

Triad

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



27.5874, 0.3586, 0.2110



27.5874, 0.4480, 0.5105



27.5874, 0.1223, 0.2400

Complementary

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



27.5874, 0.3586, 0.2110



61.4178, 0.2890, 0.4933

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.



27.5874, 0.1568, 0.3638



27.5874, 0.3586, 0.2110



27.5874, 0.3431, 0.5647

Square

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



27.5874, 0.3586, 0.2110



27.5874, 0.5280, 0.4253



27.5874, 0.2365, 0.5118



27.5874, 0.1256, 0.1772

Rectangle

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



27.5874, 0.3586, 0.2110



27.5874, 0.5379, 0.3205



27.5874, 0.2365, 0.5118



27.5874, 0.1291, 0.2741

Sweetspot

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



27.5888, 0.3586, 0.2110



72.1809, 0.3228, 0.2923



15.9262, 0.2106, 0.1327



14.6907, 0.3246, 0.2865



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.



27.5888, 0.3586, 0.2110



28.9643, 0.3709, 0.1978



24.9425, 0.4648, 0.2879



15.2501, 0.3173, 0.3111



11.6880, 0.3903, 0.1924



0.9323, 0.3787, 0.1860

Inverse Universe

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



27.5888, 0.3586, 0.2110



28.9643, 0.3709, 0.1978



63.9593, 0.2537, 0.3833



15.2501, 0.3173, 0.3111



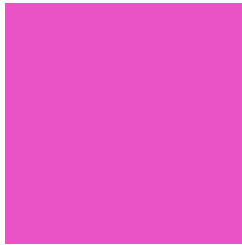
11.6880, 0.3903, 0.1924



0.9323, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 27.5874, 0.3586, 0.2110 looks on a white background.

Color Contrast Check

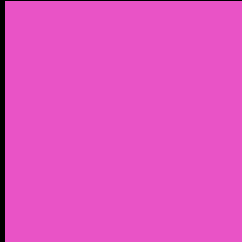
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5874, 0.3586, 0.2110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

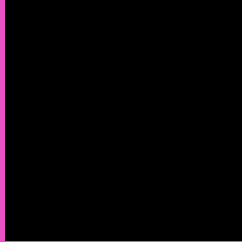
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5874, 0.3586, 0.2110

Background



This preview shows how black text looks on a background with the Yxy color 27.5874, 0.3586, 0.2110.

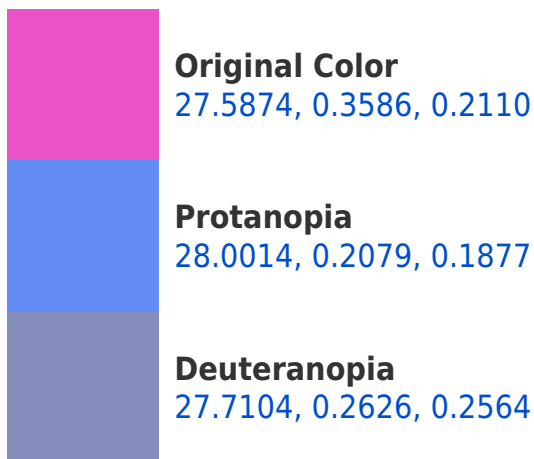


This preview shows how white text looks on a background with the Yxy color 27.5874, 0.3586, 0.2110.

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





Tritanopia

27.5079, 0.4580, 0.3215

Trichromacy



Original Color

27.5874, 0.3586, 0.2110



Protanomaly

25.0910, 0.2441, 0.1867



Deuteranomaly

25.6737, 0.2926, 0.2305



Tritanomaly

27.2430, 0.4220, 0.2777

Monochromacy



Original Color

27.5874, 0.3586, 0.2110



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.0402, 0.3296, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5874, 0.3586, 0.2110 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, 83, 198)` looks like.

```
.text, #text, p{  
    color:rgb(233, 83, 198)  
}
```

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, 83, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 83, 198) }
```

Border

The CSS property to change the border of an element to Yxy 27.5874, 0.3586, 0.2110 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, 83, 198) }
```

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

```
.border{ border-color:rgb(233, 83, 198) }
```

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

Here you see how a box with a 4 pixel rgb(233, 83, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 83, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 83, 198);  
box-shadow:4px 4px 4px 4px rgb(233, 83,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5874, 0.3586, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 83, 198) }
```

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

```
.background{ background-color: rgb(233, 83,  
198) }
```

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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