

Converting Colors

$Y_{xy}(27.5355, 0.3205, 0.1639)$

Have a look what the booklet for
Yxy(27.5355, 0.3205, 0.1639)
contains.

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Color

Yxy(27.4847, 0.3205, 0.1639)

Conversions

Conversions Part 1

Format	Color
Hex	F231F2
RGB	242, 49, 242
RGB Percent	95%, 19%, 95%
CMY	0.0509, 0.8079, 0.0511
CMYK	0.00, 0.80, 0.00, 0.05
HSL	300°, 88%, 57%
HSV	300°, 80%, 95%
XYZ	53.7452, 27.4847, 86.4619
YIQ	128.7090, 53.0750, 100.9390

Conversions

Conversions Part 2

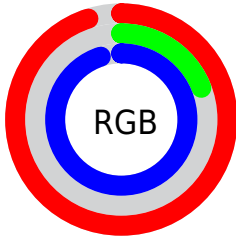
Format	Color
R _Y B	242, 49, 242
Decimal	15872498
CIE Lab	59.42, 88.38, -55.17
CIE LCh	59, 104.182, 328.025
Yxy	27.4847, 0.3205, 0.1639
Android (android.graphics.Color)	4294062578 (0xFFFF231F2)
YUV	128.7090, 55.8525, 99.3562
Hunter-Lab	52.4259, 91.2471, -61.0844

Details

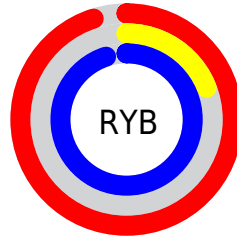
The Yxy color **27.4847, 0.3205, 0.1639** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **64.3898, 0.3011, 0.5773**, and the grayscale version is **21.6326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **13.3265, 0.3155, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **25.9761, 0.3208, 0.1573**, and if you desaturate by 10%, it is **30.0808, 0.3200, 0.1749**.

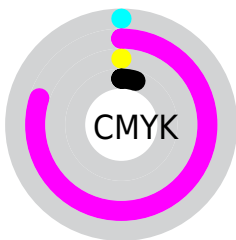
Distribution



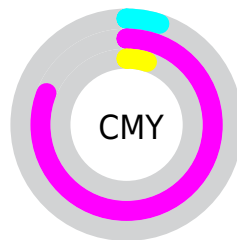
- Red (95%)
- Green (19%)
- Blue (95%)



- Red (95%)
- Yellow (19%)
- Blue (95%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (81%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4847, 0.3205, 0.1639 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 27.4847, 0.3205, 0.1639 by changing the saturation by 10% instead.


 27.4847, 0.3205,
0.1639


 27.4847, 0.3205,
0.1639


289.9964, 0.3213,
0.2381


 17.9376, 0.3191,
0.1482


 55.6607, 0.3217,
0.1888


 10.9052, 0.3167,
0.1296


 75.0583, 0.3219,
0.1987


 6.0031, 0.3125,
0.1075


 98.5083, 0.3220,
0.2074

 2.8470, 0.3054,
0.0816

 126.3949, 0.3219,
0.2151

 1.0524, 0.2926,
0.0522

 159.1027, 0.3218,
0.2218

 0.0000, 0.2751,
0.0000

197.0159, 0.3217,


 0.0000, 0.2250,


0.2278


0.0000


240.5190, 0.3215,
0.2332


 0.0000, 0.0000,
0.0000


 27.4847, 0.3205,
0.1639


 27.4847, 0.3205,
0.1639


 25.9761, 0.3208,
0.1573


 30.0808, 0.3200,
0.1749


 25.3023, 0.3210,
0.1542


 33.9131, 0.3193,
0.1901

 25.2896, 0.3210,
0.1542

 39.1110, 0.3184,
0.2091

 45.7866, 0.3173,
0.2310

 54.0407, 0.3162,
0.2549

 63.9650, 0.3150,
0.2799

 75.6441, 0.3138,
0.3050

 89.1572, 0.3127,
0.3296

 96.8126, 0.3121,
0.3418

Harmonies

Analogous

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



27.4847, 0.1841, 0.1271



27.4847, 0.3205, 0.1639



27.4847, 0.5007, 0.2289

Triad

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



27.4847, 0.3205, 0.1639



27.4847, 0.4955, 0.5045



27.4847, 0.0837, 0.2387

Complementary

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



27.4847, 0.3205, 0.1639



64.3898, 0.3011, 0.5773

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.



27.4847, 0.1298, 0.4349



27.4847, 0.3205, 0.1639



27.4847, 0.3620, 0.6214

Square

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



27.4847, 0.3205, 0.1639



27.4847, 0.5949, 0.3911



27.4847, 0.2330, 0.6350



27.4847, 0.0812, 0.1492

Rectangle

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



27.4847, 0.3205, 0.1639



27.4847, 0.5906, 0.2798



27.4847, 0.2330, 0.6350



27.4847, 0.0930, 0.2911

Sweetspot

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



27.4860, 0.3205, 0.1639



66.9739, 0.3155, 0.2691



9.2604, 0.1635, 0.0823



13.4969, 0.3160, 0.2602



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.



27.4860, 0.3205, 0.1639



28.6984, 0.3209, 0.1551



23.1362, 0.4503, 0.2430



16.0314, 0.3138, 0.3057



13.5835, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Inverse Universe

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



27.4860, 0.3205, 0.1639



28.6984, 0.3209, 0.1551



66.2277, 0.2685, 0.4659



16.0314, 0.3138, 0.3057



13.5835, 0.3210, 0.1542



1.1300, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 27.4847, 0.3205, 0.1639 looks on a white background.

Color Contrast Check

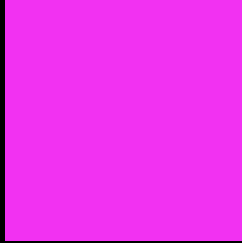
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4847, 0.3205, 0.1639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

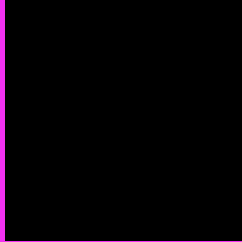
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4847, 0.3205, 0.1639

Background



This preview shows how black text looks on a background with the Yxy color 27.4847, 0.3205, 0.1639.



This preview shows how white text looks on a background with the Yxy color 27.4847, 0.3205, 0.1639.

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

27.4847, 0.3205, 0.1639

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

27.6817, 0.2129, 0.2062



Tritanopia

27.1572, 0.4660, 0.3217

Trichromacy



Original Color

27.4847, 0.3205, 0.1639



Protanomaly

23.2572, 0.2252, 0.1548



Deuteranomaly

23.1737, 0.2387, 0.1700



Tritanomaly

25.8109, 0.4113, 0.2495

Monochromacy



Original Color

27.4847, 0.3205, 0.1639



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.5627, 0.3174, 0.2299

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4847, 0.3205, 0.1639 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(242, 49, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 49, 242)  
}
```

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(242, 49, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 49, 242) }
```

Border

The CSS property to change the border of an element to Yxy 27.4847, 0.3205, 0.1639 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(242, 49, 242) }
```

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

```
.border{ border-color:rgb(242, 49, 242) }
```

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

Here you see how a box with a 4 pixel rgb(242, 49, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 49, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 49, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 49,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4847, 0.3205, 0.1639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 49, 242) }
```

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

```
.background{ background-color: rgb(242, 49,  
242) }
```

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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