

Converting Colors

$Y_{xy}(27.2742, 0.3038, 0.1538)$

Have a look what the booklet for
Yxy(27.2742, 0.3038, 0.1538)
contains.

Yxy(27.2742, 0.3038, 0.1538)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2742, 0.3038, 0.1538)

Conversions

Conversions Part 1

Format	Color
Hex	ED30FE
RGB	237, 48, 254
RGB Percent	93%, 19%, 100%
CMY	0.0705, 0.8118, 0.0039
CMYK	0.07, 0.81, 0.00, 0.00
HSL	295°, 99%, 59%
HSV	295°, 81%, 100%
XYZ	53.8745, 27.2742, 96.1868
YIQ	127.9950, 46.5180, 104.1340

Conversions

Conversions Part 2

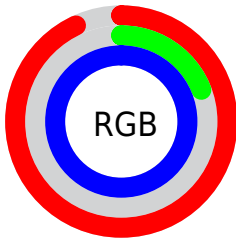
Format	Color
R _Y B	237, 48, 254
Decimal	15544574
CIE Lab	59.23, 89.54, -62.20
CIE LCh	59, 109.024, 325.213
Yxy	27.2742, 0.3038, 0.1538
Android (android.graphics.Color)	4293734654 (0xFFED30FE)
YUV	127.9950, 62.1205, 95.5974
Hunter-Lab	52.2247, 92.7457, -72.6422

Details

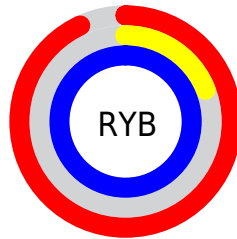
The Yxy color **27.2742, 0.3038, 0.1538** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.2166, 0.3050, 0.5773**, and the grayscale version is **21.3512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **13.2156, 0.2952, 0.1400** is the 20% darker color. If you saturate the color by 10%, you get **25.4010, 0.3018, 0.1462**, and if you desaturate by 10%, it is **30.3408, 0.3057, 0.1658**.

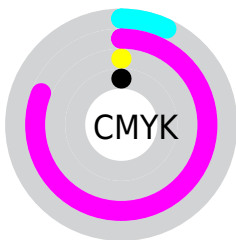
Distribution



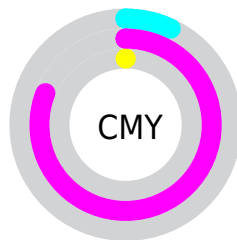
- Red (93%)
- Green (19%)
- Blue (100%)



- Red (93%)
- Yellow (19%)
- Blue (100%)



- Cyan (7%)
- Magenta (81%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (81%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2742, 0.3038, 0.1538 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 27.2742, 0.3038, 0.1538 by changing the saturation by 10% instead.


 27.2742, 0.3038,
0.1538


 27.2742, 0.3038,
0.1538


288.9823, 0.3135,
0.2312


 17.7793, 0.3002,
0.1378


 55.3236, 0.3083,
0.1795

 10.7916, 0.2950,
0.1191


 74.6468, 0.3097,
0.1898

 5.9269, 0.2874,
0.0973


 98.0149, 0.3108,
0.1989

 2.8007, 0.2757,
0.0722

 125.8122, 0.3116,
0.2069

 1.0286, 0.2574,
0.0447

 158.4233, 0.3123,
0.2140

 0.0000, 0.2317,
0.0000

196.2323, 0.3128,

 0.0000, 0.1788,

0.2204

0.0000

239.6239, 0.3132,
0.2261

■ 0.0000, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.2742, 0.3038,
0.1538

■ 27.2742, 0.3038,
0.1538

■ 25.4010, 0.3018,
0.1462

■ 30.3408, 0.3057,
0.1658

■ 24.4897, 0.2999,
0.1426

■ 34.7744, 0.3075,
0.1822

■ 40.7238, 0.3090,
0.2024

■ 48.3173, 0.3102,
0.2253

57.6699, 0.3112,
0.2502

68.8861, 0.3119,
0.2758

82.0621, 0.3124,
0.3014

97.2879, 0.3127,
0.3263

99.9355, 0.3133,
0.3300

Harmonies

Analogous

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



27.2742, 0.1699, 0.1196



27.2742, 0.3038, 0.1538



27.2742, 0.4921, 0.2176

Triad

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



27.2742, 0.3038, 0.1538



27.2742, 0.5081, 0.4919



27.2742, 0.0791, 0.2471

Complementary

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



27.2742, 0.3038, 0.1538



72.2166, 0.3050, 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.



27.2742, 0.1297, 0.4641



27.2742, 0.3038, 0.1538



27.2742, 0.3721, 0.6224

Square

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



27.2742, 0.3038, 0.1538



27.2742, 0.6092, 0.3786



27.2742, 0.2381, 0.6605



27.2742, 0.0742, 0.1479

Rectangle

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



27.2742, 0.3038, 0.1538



27.2742, 0.5930, 0.2685



27.2742, 0.2381, 0.6605



27.2742, 0.0895, 0.3055

Sweetspot

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



27.2754, 0.3038, 0.1538



66.0305, 0.3118, 0.2684



11.5813, 0.1648, 0.0908



13.2655, 0.3115, 0.2592



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.



27.2754, 0.3038, 0.1538



24.9827, 0.3005, 0.1436



26.0155, 0.4277, 0.2270



18.2198, 0.3125, 0.3055



12.9432, 0.3002, 0.1428



1.2818, 0.3027, 0.1441

Inverse Universe

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



23.5637, 0.5816, 0.3196



21.5101, 0.6283, 0.3254



73.2250, 0.2755, 0.4926



18.0114, 0.3281, 0.3271



11.1455, 0.6313, 0.3252



1.0931, 0.6130, 0.3150

Previews

White Background



This preview shows how the Yxy color 27.2742, 0.3038, 0.1538 looks on a white background.

Color Contrast Check

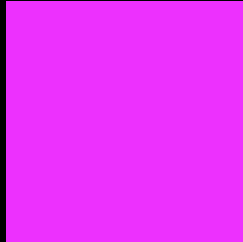
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2742, 0.3038, 0.1538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

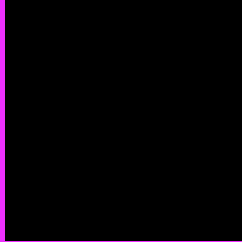
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2742, 0.3038, 0.1538

Background



This preview shows how black text looks on a background with the Yxy color 27.2742, 0.3038, 0.1538.



This preview shows how white text looks on a background with the Yxy color 27.2742, 0.3038, 0.1538.

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

27.2742, 0.3038, 0.1538

Protanopia

27.6165, 0.1977, 0.1760

Deuteranopia

27.7336, 0.2006, 0.1945



Tritanopia

26.9459, 0.4507, 0.3212

Trichromacy



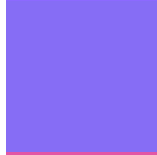
Original Color

27.2742, 0.3038, 0.1538



Protanomaly

23.1035, 0.2203, 0.1496



Deuteranomaly

22.5982, 0.2215, 0.1575



Tritanomaly

25.5409, 0.3937, 0.2424

Monochromacy



Original Color

27.2742, 0.3038, 0.1538



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.3045, 0.3103, 0.2231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2742, 0.3038, 0.1538 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(237, 48, 254)` looks like.

```
.text, #text, p{  
    color:rgb(237, 48, 254)  
}
```

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(237, 48, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 48, 254) }
```

Border

The CSS property to change the border of an element to Yxy 27.2742, 0.3038, 0.1538 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(237, 48, 254) }
```

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

```
.border{ border-color:rgb(237, 48, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 48, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 48, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 48, 254);  
box-shadow:4px 4px 4px 4px rgb(237, 48,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2742, 0.3038, 0.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 48, 254) }
```

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

```
.background{ background-color: rgb(237, 48,  
254) }
```

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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