

Converting Colors

$Y_{xy}(27.8827, 0.3045, 0.1552)$

Have a look what the booklet for
Yxy(27.8827, 0.3045, 0.1552)
contains.

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Color

Yxy(27.9384, 0.3048, 0.1553)

Conversions

Conversions Part 1

Format	Color
Hex	EF33FF
RGB	239, 51, 255
RGB Percent	94%, 20%, 100%
CMY	0.0627, 0.8000, 0.0000
CMYK	0.06, 0.80, 0.00, 0.00
HSL	295°, 100%, 60%
HSV	295°, 80%, 100%
XYZ	54.8334, 27.9384, 97.1278
YIQ	130.4680, 46.5640, 103.3000

Conversions

Conversions Part 2

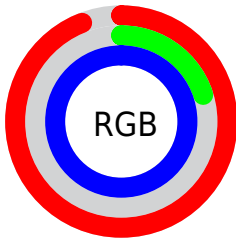
Format	Color
R _Y B	239, 51, 255
Decimal	15676415
CIE _{Lab}	59.83, 89.37, -61.78
CIE _{LCh}	60, 108.644, 325.344
Y _{xy}	27.9384, 0.3048, 0.1553
Android (android.graphics.Color)	4293866495 (0xFFEF33FF)
Y _{UV}	130.4680, 61.3943, 95.1826
Hunter-Lab	52.8568, 92.6757, -71.9495

Details

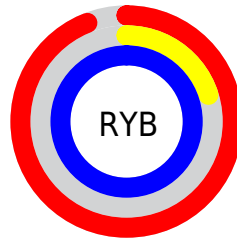
The Yxy color **27.9384, 0.3048, 0.1553** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.9519, 0.3050, 0.5753**, and the grayscale version is **22.2621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **13.4962, 0.2967, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **25.9417, 0.3029, 0.1473**, and if you desaturate by 10%, it is **31.1583, 0.3066, 0.1678**.

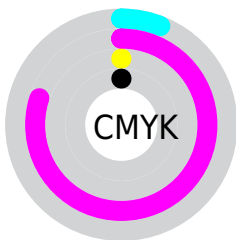
Distribution



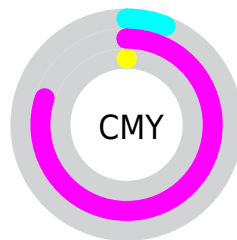
- Red (94%)
- Green (20%)
- Blue (100%)



- Red (94%)
- Yellow (20%)
- Blue (100%)



- Cyan (6%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9384, 0.3048, 0.1553 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 27.9384, 0.3048, 0.1553 by changing the saturation by 10% instead.


 27.9384, 0.3048,
0.1553


 27.9384, 0.3048,
0.1553


292.1725, 0.3139,
0.2319


 18.2792, 0.3014,
0.1394


 56.3861, 0.3091,
0.1807

 11.1506, 0.2964,
0.1209


 75.9434, 0.3104,
0.1909


 6.1683, 0.2891,
0.0993


 99.5688, 0.3114,
0.1999

 2.9477, 0.2780,
0.0744

 127.6469, 0.3122,
0.2079

 1.1045, 0.2604,
0.0468

 160.5618, 0.3128,
0.2149

 0.0000, 0.2363,
0.0000

198.6982, 0.3133,

 0.0000, 0.1845,

0.2212

0.0000

242.4402, 0.3136,
0.2268

■ 0.0000, 0.0262,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.9384, 0.3048,
0.1553

■ 27.9384, 0.3048,
0.1553

■ 25.9417, 0.3029,
0.1473

■ 31.1583, 0.3066,
0.1678


■ 24.8829, 0.3009,
0.1431


■ 35.7764, 0.3082,
0.1845

■ 41.9391, 0.3096,
0.2049

■ 49.7745, 0.3107,
0.2281

 59.3971, 0.3115,
0.2530

 70.9116, 0.3121,
0.2787

 84.4143, 0.3125,
0.3042

99.9953, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.9384, 0.1715, 0.1210



27.9384, 0.3048, 0.1553



27.9384, 0.4910, 0.2190

Triad

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



27.9384, 0.3048, 0.1553



27.9384, 0.5073, 0.4927



27.9384, 0.0806, 0.2476

Complementary

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



27.9384, 0.3048, 0.1553



72.9519, 0.3050, 0.5753

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.



27.9384, 0.1311, 0.4614



27.9384, 0.3048, 0.1553



27.9384, 0.3720, 0.6203

Square

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



27.9384, 0.3048, 0.1553



27.9384, 0.6070, 0.3799



27.9384, 0.2392, 0.6560



27.9384, 0.0756, 0.1492

Rectangle

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



27.9384, 0.3048, 0.1553



27.9384, 0.5906, 0.2699



27.9384, 0.2392, 0.6560



27.9384, 0.0910, 0.3054

Sweetspot

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



27.9383, 0.3048, 0.1553



66.0758, 0.3119, 0.2684



12.0571, 0.1661, 0.0932



13.2766, 0.3117, 0.2593



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.



27.9383, 0.3048, 0.1553



25.2408, 0.3017, 0.1445



26.5292, 0.4256, 0.2273



18.2236, 0.3125, 0.3055



13.0323, 0.3013, 0.1433



1.2895, 0.3036, 0.1446

Inverse Universe

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



24.0321, 0.5782, 0.3199



21.5721, 0.6270, 0.3253



74.0011, 0.2754, 0.4902



18.0102, 0.3282, 0.3272



11.1433, 0.6319, 0.3254



1.0926, 0.6142, 0.3157

Previews

White Background



This preview shows how the Yxy color 27.9384, 0.3048, 0.1553 looks on a white background.

Color Contrast Check

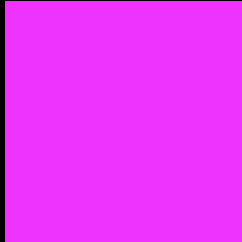
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9384, 0.3048, 0.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

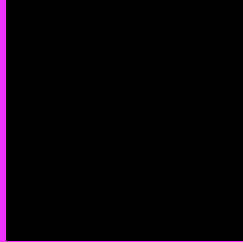
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9384, 0.3048, 0.1553

Background



This preview shows how black text looks on a background with the Yxy color 27.9384, 0.3048, 0.1553.



This preview shows how white text looks on a background with the Yxy color 27.9384, 0.3048, 0.1553.

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

27.9384, 0.3048, 0.1553

Protanopia

28.3936, 0.2000, 0.1791

Deuteranopia

28.2214, 0.2017, 0.1953



Tritanopia

27.5157, 0.4495, 0.3201

Trichromacy



Original Color

27.9384, 0.3048, 0.1553



Protanomaly

23.8744, 0.2236, 0.1529



Deuteranomaly

23.3411, 0.2236, 0.1599



Tritanomaly

26.1004, 0.3930, 0.2420

Monochromacy



Original Color

27.9384, 0.3048, 0.1553



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.9486, 0.3115, 0.2253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9384, 0.3048, 0.1553 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(239, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 51, 255)  
}
```

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(239, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.9384, 0.3048, 0.1553 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(239, 51, 255) }
```

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

```
.border{ border-color:rgb(239, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(239, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9384, 0.3048, 0.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 51, 255) }
```

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

```
.background{ background-color: rgb(239, 51,  
255) }
```

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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