

Converting Colors

$Y_{xy}(27.7653, 0.3038, 0.1548)$

Have a look what the booklet for
Yxy(27.7653, 0.3038, 0.1548)
contains.

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Color

Yxy(27.7648, 0.3038, 0.1548)

Conversions

Conversions Part 1

Format	Color
Hex	EE33FF
RGB	238, 51, 255
RGB Percent	93%, 20%, 100%
CMY	0.0668, 0.7998, 0.0000
CMYK	0.07, 0.80, 0.00, 0.00
HSL	295°, 100%, 60%
HSV	295°, 80%, 100%
XYZ	54.4893, 27.7648, 97.1051
YIQ	130.1690, 45.9680, 103.0880

Conversions

Conversions Part 2

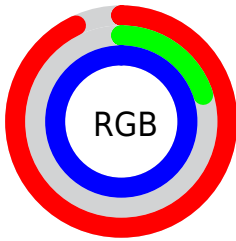
Format	Color
R _{YB}	238, 51, 255
Decimal	15610879
CIE _{Lab}	59.68, 89.17, -62.04
CIE _{LCh}	60, 108.631, 325.175
Yxy	27.7648, 0.3038, 0.1548
Android (android.graphics.Color)	4293800959 (0xFFEE33FF)
YUV	130.1690, 61.5417, 94.5678
Hunter-Lab	52.6923, 92.3760, -72.3791

Details

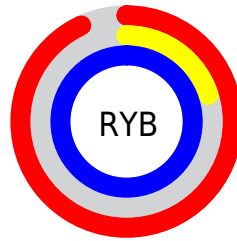
The Yxy color **27.7648, 0.3038, 0.1548** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **72.9909, 0.3053, 0.5751**, and the grayscale version is **22.1602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **13.3783, 0.2954, 0.1401** is the 20% darker color. If you saturate the color by 10%, you get **25.7461, 0.3017, 0.1467**, and if you desaturate by 10%, it is **31.0086, 0.3058, 0.1674**.

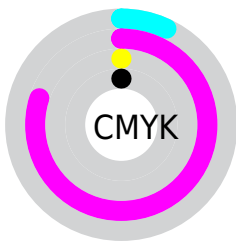
Distribution



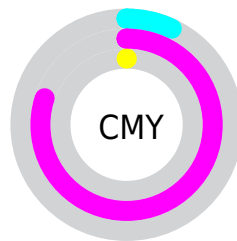
- Red (93%)
- Green (20%)
- Blue (100%)



- Red (93%)
- Yellow (20%)
- Blue (100%)



- Cyan (7%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.7648, 0.3038, 0.1548 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 27.7648, 0.3038, 0.1548 by changing the saturation by 10% instead.

 27.7648, 0.3038,
0.1548


 27.7648, 0.3038,
0.1548


291.3413, 0.3134,
0.2317


 18.1484, 0.3002,
0.1389


 56.1087, 0.3083,
0.1803

 11.0566, 0.2951,
0.1203


 75.6051, 0.3097,
0.1906


 6.1049, 0.2876,
0.0987


 99.1635, 0.3107,
0.1996

 2.9090, 0.2762,
0.0737

 127.1685, 0.3116,
0.2075

 1.0844, 0.2582,
0.0461

 160.0043, 0.3122,
0.2146

 0.0000, 0.2334,
0.0000

198.0555, 0.3127,

 0.0000, 0.1812,

0.2209

0.0000

241.7064, 0.3131,
0.2266

0.0000, 0.0170,
0.0000

0.0000, 0.0000,
0.0000

27.7648, 0.3038,
0.1548

27.7648, 0.3038,
0.1548

25.7461, 0.3017,
0.1467

31.0086, 0.3058,
0.1674

24.6664, 0.2996,
0.1424

35.6510, 0.3075,
0.1842

24.6647, 0.2996,
0.1424

41.8388, 0.3090,
0.2048

49.7000, 0.3103,
0.2280

■ 59.3492, 0.3112,
0.2530

■ 70.8910, 0.3120,
0.2787

■ 84.4218, 0.3124,
0.3043

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.



27.7648, 0.1707, 0.1207



27.7648, 0.3038, 0.1548



27.7648, 0.4903, 0.2184

Triad

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



27.7648, 0.3038, 0.1548



27.7648, 0.5080, 0.4920



27.7648, 0.0805, 0.2483

Complementary

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



27.7648, 0.3038, 0.1548



72.9909, 0.3053, 0.5751

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.



27.7648, 0.1313, 0.4631



27.7648, 0.3038, 0.1548



27.7648, 0.3727, 0.6201

Square

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



27.7648, 0.3038, 0.1548



27.7648, 0.6077, 0.3792



27.7648, 0.2396, 0.6571



27.7648, 0.0753, 0.1493

Rectangle

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



27.7648, 0.3038, 0.1548



27.7648, 0.5905, 0.2693



27.7648, 0.2396, 0.6571



27.7648, 0.0910, 0.3064

Sweetspot

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



27.7652, 0.3038, 0.1548



66.0187, 0.3117, 0.2684



12.4881, 0.1668, 0.0960



13.2626, 0.3114, 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.



27.7652, 0.3038, 0.1548



25.0303, 0.3005, 0.1439



26.6653, 0.4205, 0.2242



18.2187, 0.3125, 0.3055



12.9200, 0.3000, 0.1426



1.2798, 0.3025, 0.1440

Inverse Universe

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



24.0501, 0.5769, 0.3192



21.5784, 0.6263, 0.3249



73.9083, 0.2767, 0.4947



18.0117, 0.3281, 0.3271



11.1461, 0.6312, 0.3251



1.0933, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 27.7648, 0.3038, 0.1548 looks on a white background.

Color Contrast Check

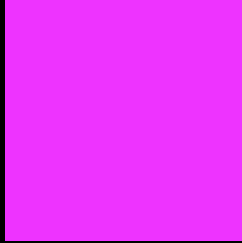
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7648, 0.3038, 0.1548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

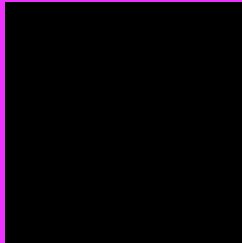
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7648, 0.3038, 0.1548

Background



This preview shows how black text looks on a background with the Yxy color 27.7648, 0.3038, 0.1548.



This preview shows how white text looks on a background with the Yxy color 27.7648, 0.3038, 0.1548.

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

27.7648, 0.3038, 0.1548

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

28.1795, 0.2013, 0.1952



Tritanopia

27.3582, 0.4485, 0.3201

Trichromacy



Original Color

27.7648, 0.3038, 0.1548



Protanomaly

23.7848, 0.2228, 0.1526



Deuteranomaly

23.2569, 0.2229, 0.1596



Tritanomaly

25.9373, 0.3918, 0.2416

Monochromacy



Original Color

27.7648, 0.3038, 0.1548



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.8375, 0.3103, 0.2249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7648, 0.3038, 0.1548 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(238, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7648, 0.3038, 0.1548 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(238, 51, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7648, 0.3038, 0.1548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 51, 255) }
```

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

```
.background{ background-color: rgb(238, 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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