

Converting Colors

$Y_{xy}(27.5755, 0.3028, 0.1542)$

Have a look what the booklet for
Yxy(27.5755, 0.3028, 0.1542)
contains.

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Color

Yxy(27.5922, 0.3029, 0.1543)

Conversions

Conversions Part 1

Format	Color
Hex	ED33FF
RGB	237, 51, 255
RGB Percent	93%, 20%, 100%
CMY	0.0704, 0.8002, 0.0001
CMYK	0.07, 0.80, 0.00, 0.00
HSL	295°, 100%, 60%
HSV	295°, 80%, 100%
XYZ	54.1651, 27.5922, 97.0645
YIQ	129.8700, 45.3720, 102.8760

Conversions

Conversions Part 2

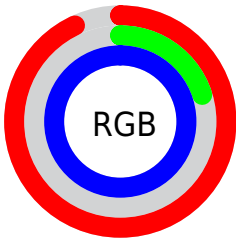
Format	Color
R _Y B	237, 51, 255
Decimal	15545343
CIE _{Lab}	59.52, 89.03, -62.28
CIE _{LCh}	60, 108.649, 325.024
Yxy	27.5922, 0.3029, 0.1543
Android (android.graphics.Color)	4293735423 (0xFFED33FF)
YUV	129.8700, 61.6891, 93.9530
Hunter-Lab	52.5283, 92.1378, -72.7893

Details

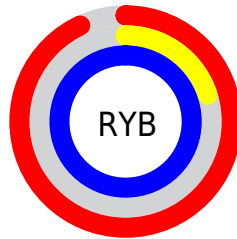
The Yxy color **27.5922, 0.3029, 0.1543** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **73.0098, 0.3055, 0.5750**, and the grayscale version is **22.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **13.2613, 0.2941, 0.1394** is the 20% darker color. If you saturate the color by 10%, you get **25.5608, 0.3007, 0.1461**, and if you desaturate by 10%, it is **30.8499, 0.3050, 0.1670**.

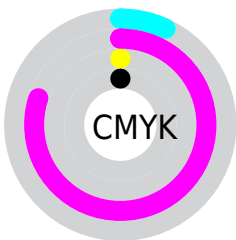
Distribution



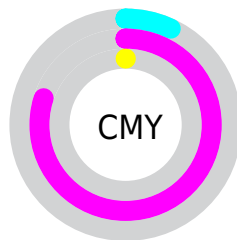
- Red (93%)
- Green (20%)
- Blue (100%)



- 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 27.5922, 0.3029, 0.1543 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 27.5922, 0.3029, 0.1543 by changing the saturation by 10% instead.


 27.5922, 0.3029,
0.1543


 27.5922, 0.3029,
0.1543


290.5131, 0.3130,
0.2314


 18.0185, 0.2992,
0.1384


 55.8327, 0.3075,
0.1799

 10.9633, 0.2939,
0.1197


 75.2683, 0.3090,
0.1902


 6.0421, 0.2862,
0.0980


 98.7599, 0.3101,
0.1992

 2.8707, 0.2745,
0.0730

 126.6921, 0.3110,
0.2072

 1.0646, 0.2562,
0.0455

 159.4490, 0.3117,
0.2143

 0.0000, 0.2308,
0.0000

197.4153, 0.3122,

 0.0000, 0.1781,

0.2206

0.0000

240.9752, 0.3127,
0.2263

■ 0.0000, 0.0082,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.5922, 0.3029,
0.1543

■ 27.5922, 0.3029,
0.1543

■ 25.5608, 0.3007,
0.1461

■ 30.8499, 0.3050,
0.1670

■ 24.4675, 0.2985,
0.1418

■ 35.5050, 0.3069,
0.1839

■ 41.7054, 0.3085,
0.2045

■ 49.5790, 0.3099,
0.2278

 59.2404, 0.3110,
0.2529

 70.7942, 0.3118,
0.2786

 84.3369, 0.3124,
0.3042

99.9584, 0.3127,
0.3290

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



27.5922, 0.1700, 0.1203



27.5922, 0.3029, 0.1543



27.5922, 0.4898, 0.2178

Triad

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



27.5922, 0.3029, 0.1543



27.5922, 0.5087, 0.4913



27.5922, 0.0803, 0.2488

Complementary

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



27.5922, 0.3029, 0.1543



73.0098, 0.3055, 0.5750

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.



27.5922, 0.1314, 0.4647



27.5922, 0.3029, 0.1543



27.5922, 0.3733, 0.6201

Square

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



27.5922, 0.3029, 0.1543



27.5922, 0.6084, 0.3786



27.5922, 0.2399, 0.6583



27.5922, 0.0750, 0.1493

Rectangle

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



27.5922, 0.3029, 0.1543



27.5922, 0.5905, 0.2687



27.5922, 0.2399, 0.6583



27.5922, 0.0909, 0.3072

Sweetspot

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



27.5934, 0.3029, 0.1543



65.9678, 0.3115, 0.2683



12.4738, 0.1668, 0.0959



13.2501, 0.3112, 0.2591



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.



27.5934, 0.3029, 0.1543



24.8436, 0.2994, 0.1433



26.6522, 0.4205, 0.2242



18.2143, 0.3124, 0.3055



12.8203, 0.2988, 0.1420



1.2711, 0.3015, 0.1435

Inverse Universe

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



24.0491, 0.5760, 0.3185



21.5843, 0.6256, 0.3245



73.8937, 0.2767, 0.4948



18.0130, 0.3281, 0.3269



11.1487, 0.6306, 0.3247



1.0939, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 27.5922, 0.3029, 0.1543 looks on a white background.

Color Contrast Check

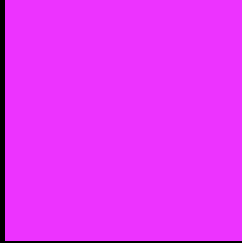
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5922, 0.3029, 0.1543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

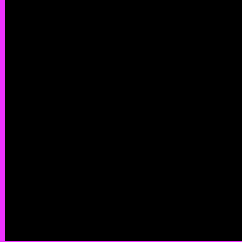
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5922, 0.3029, 0.1543

Background



This preview shows how black text looks on a background with the Yxy color 27.5922, 0.3029, 0.1543.



This preview shows how white text looks on a background with the Yxy color 27.5922, 0.3029, 0.1543.

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

27.5922, 0.3029, 0.1543

Protanopia

28.0024, 0.1988, 0.1775

Deuteranopia

28.0975, 0.2006, 0.1950



Tritanopia

27.2017, 0.4474, 0.3200

Trichromacy



Original Color

27.5922, 0.3029, 0.1543



Protanomaly

23.6959, 0.2221, 0.1523



Deuteranomaly

23.0910, 0.2214, 0.1590



Tritanomaly

25.7752, 0.3907, 0.2412

Monochromacy



Original Color

27.5922, 0.3029, 0.1543



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 27.5922, 0.3029, 0.1543 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, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.5922, 0.3029, 0.1543 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, 51, 255) }
```

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

```
.border{ border-color:rgb(237, 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(237, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5922, 0.3029, 0.1543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 51, 255) }
```

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

```
.background{ background-color: rgb(237, 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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