

Converting Colors

$Y_{xy}(25.7961, 0.3025, 0.1468)$

Have a look what the booklet for
Yxy(25.7961, 0.3025, 0.1468)
contains.

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Color

Yxy(25.8778, 0.3029, 0.1471)

Conversions

Conversions Part 1

Format	Color
Hex	ED18FF
RGB	237, 24, 255
RGB Percent	93%, 9%, 100%
CMY	0.0707, 0.9049, 0.0002
CMYK	0.07, 0.90, 0.00, 0.00
HSL	295°, 100%, 55%
HSV	295°, 90%, 100%
XYZ	53.2861, 25.8778, 96.7559
YIQ	114.0210, 52.7970, 116.9970

Conversions

Conversions Part 2

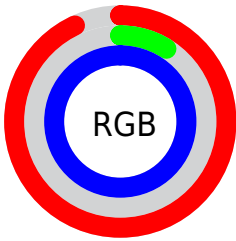
Format	Color
R _{YB}	237, 24, 255
Decimal	15538431
CIE _{Lab}	57.92, 93.66, -64.83
CIE _{LCh}	58, 113.908, 325.309
Yxy	25.8778, 0.3029, 0.1471
Android (android.graphics.Color)	4293728511 (0xFFED18FF)
YUV	114.0210, 69.5026, 107.8526
Hunter-Lab	50.8702, 97.9542, -77.1612

Details

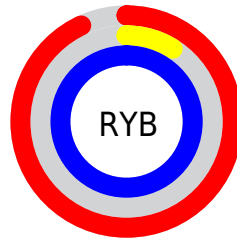
The Yxy color **25.8778, 0.3029, 0.1471** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **72.0558, 0.3028, 0.5917**, and the grayscale version is **16.6518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **13.2613, 0.2941, 0.1394** is the 20% darker color. If you saturate the color by 10%, you get **24.8914, 0.3010, 0.1432**, and if you desaturate by 10%, it is **27.8190, 0.3048, 0.1549**.

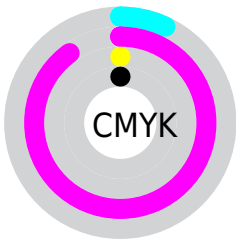
Distribution



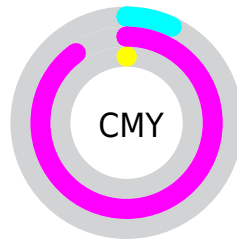
- Red (93%)
- Green (9%)
- Blue (100%)



- Red (93%)
- Yellow (9%)
- Blue (100%)



- Cyan (7%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8778, 0.3029, 0.1471 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 25.8778, 0.3029, 0.1471 by changing the saturation by 10% instead.


 25.8778, 0.3029,
0.1471


 25.8778, 0.3029,
0.1471


282.1817, 0.3135,
0.2271


 16.7322, 0.2989,
0.1307

 53.0777, 0.3078,
0.1735

 10.0438, 0.2933,
0.1117


 71.9009, 0.3094,
0.1842


 5.4280, 0.2850,
0.0898


 94.7188, 0.3106,
0.1935

 2.5005, 0.2725,
0.0649

 121.9157, 0.3115,
0.2018

 0.8769, 0.2528,
0.0383

 153.8760, 0.3122,
0.2092

 0.0000, 0.2243,
0.0000

190.9842, 0.3127,

 0.0000, 0.1706,

0.2158

0.0000

233.6246, 0.3132,
0.2217

■ 0.0000, 0.0000,
0.0000

■ 25.8778, 0.3029,
0.1471

■ 25.8778, 0.3029,
0.1471

■ 24.8914, 0.3010,
0.1432

■ 27.8190, 0.3048,
0.1549

■ 30.9725, 0.3066,
0.1671

■ 35.5158, 0.3082,
0.1836

■ 41.5963, 0.3096,
0.2039

■ 49.3429, 0.3107,
0.2269

■ 58.8707, 0.3115,
0.2518

■ 70.2846, 0.3121,
0.2774

■ 83.6815, 0.3125,
0.3030

■ 99.1513, 0.3127,
0.3278

Harmonies

Analogous

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



25.8778, 0.1638, 0.1125



25.8778, 0.3029, 0.1471



25.8778, 0.5027, 0.2120

Triad

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



25.8778, 0.3029, 0.1471



25.8778, 0.5089, 0.4911



25.8778, 0.0707, 0.2399

Complementary

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



25.8778, 0.3029, 0.1471



72.0558, 0.3028, 0.5917

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.



25.8778, 0.1195, 0.4716



25.8778, 0.3029, 0.1471



25.8778, 0.3662, 0.6338

Square

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



25.8778, 0.3029, 0.1471



25.8778, 0.6197, 0.3740



25.8778, 0.2286, 0.6832



25.8778, 0.0670, 0.1396

Rectangle

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



25.8778, 0.3029, 0.1471



25.8778, 0.6088, 0.2633



25.8778, 0.2286, 0.6832



25.8778, 0.0804, 0.3009

Sweetspot

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



25.8789, 0.3029, 0.1471



62.6568, 0.3118, 0.2607



9.1771, 0.1559, 0.0741



12.6221, 0.3115, 0.2520



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.



25.8789, 0.3029, 0.1471



24.9013, 0.3010, 0.1432



24.4125, 0.4462, 0.2279



18.2241, 0.3125, 0.3055



13.0418, 0.3014, 0.1434



1.2904, 0.3037, 0.1447

Inverse Universe

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



22.0841, 0.6144, 0.3232



21.3101, 0.6338, 0.3265



73.0539, 0.2775, 0.5127



18.0101, 0.3282, 0.3272



11.1431, 0.6319, 0.3255



1.0925, 0.6144, 0.3158

Previews

White Background



This preview shows how the Yxy color 25.8778, 0.3029, 0.1471 looks on a white background.

Color Contrast Check

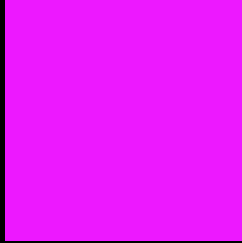
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8778, 0.3029, 0.1471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

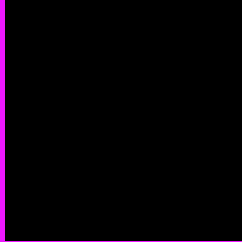
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8778, 0.3029, 0.1471

Background



This preview shows how black text looks on a background with the Yxy color 25.8778, 0.3029, 0.1471.



This preview shows how white text looks on a background with the Yxy color 25.8778, 0.3029, 0.1471.

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

25.8778, 0.3029, 0.1471

Protanopia

26.4061, 0.1937, 0.1710

Deuteranopia

26.3652, 0.1950, 0.1887



Tritanopia

25.8225, 0.4608, 0.3214

Trichromacy



Original Color

25.8778, 0.3029, 0.1471



Protanomaly

20.5553, 0.2148, 0.1374



Deuteranomaly

19.9519, 0.2138, 0.1444



Tritanomaly

23.6749, 0.4008, 0.2353

Monochromacy



Original Color

25.8778, 0.3029, 0.1471



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.9724, 0.3104, 0.2063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8778, 0.3029, 0.1471 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, 24, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 24, 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, 24, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 24, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.8778, 0.3029, 0.1471 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, 24, 255) }
```

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

```
.border{ border-color:rgb(237, 24, 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, 24, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 24, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 24, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 24,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8778, 0.3029, 0.1471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 24, 255) }
```

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

```
.background{ background-color: rgb(237, 24,  
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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