

Converting Colors

$Y_{xy}(25.5510, 0.3048, 0.1453)$

Have a look what the booklet for
Yxy(25.5510, 0.3048, 0.1453)
contains.

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Color

Yxy(25.5707, 0.3049, 0.1453)

Conversions

Conversions Part 1

Format	Color
Hex	EF00FF
RGB	239, 0, 255
RGB Percent	94%, 0%, 100%
CMY	0.0627, 1.0000, 0.0000
CMYK	0.06, 1.00, 0.00, 0.00
HSL	296°, 100%, 50%
HSV	296°, 100%, 100%
XYZ	53.6580, 25.5707, 96.7569
YIQ	100.5310, 60.5890, 129.9730

Conversions

Conversions Part 2

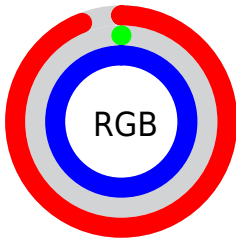
Format	Color
R_{YB}	239, 0, 255
Decimal	15663359
CIE _{Lab}	57.63, 95.88, -65.34
CIE _{LCh}	58, 116.026, 325.728
Yxy	25.5707, 0.3049, 0.1453
Android (android.graphics.Color)	4293853439 (0xFFEF00FF)
YUV	100.5310, 76.1532, 121.4373
Hunter-Lab	50.5675, 100.9162, -78.0495

Details

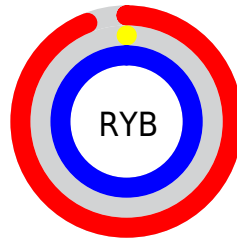
The Yxy color **25.5707, 0.3049, 0.1453** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **71.6300, 0.3009, 0.5992**, and the grayscale version is **12.6786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.4962, 0.2967, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **25.5746, 0.3049, 0.1454**, and if you desaturate by 10%, it is **26.5708, 0.3065, 0.1493**.

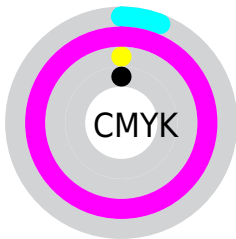
Distribution



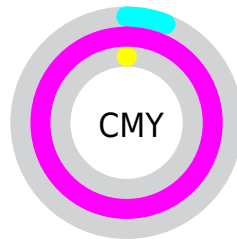
- Red (94%)
- Green (0%)
- Blue (100%)



- Red (94%)
- Yellow (0%)
- Blue (100%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5707, 0.3049, 0.1453 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 25.5707, 0.3049, 0.1453 by changing the saturation by 10% instead.


 25.5707, 0.3049,
0.1453


 25.5707, 0.3049,
0.1453


280.6683, 0.3147,
0.2259


 16.5028, 0.3011,
0.1289


 52.5816, 0.3096,
0.1718


 9.8806, 0.2957,
0.1098


 71.2933, 0.3110,
0.1826


 5.3199, 0.2876,
0.0879


 93.9884, 0.3121,
0.1920

 2.4361, 0.2753,
0.0631

 121.0512, 0.3129,
0.2004

 0.8444, 0.2559,
0.0368

 152.8662, 0.3135,
0.2078

 0.0000, 0.2276,
0.0000

189.8178, 0.3140,

 0.0000, 0.1743,

0.2145

0.0000

232.2904, 0.3144,
0.2205

■ 0.0000, 0.0000,
0.0000

■ 25.5707, 0.3049,
0.1453

■ 25.5707, 0.3049,
0.1453

■ 25.5746, 0.3049,
0.1454

■ 26.5708, 0.3065,
0.1493

■ 28.5034, 0.3080,
0.1570

■ 31.6582, 0.3093,
0.1691

■ 36.2096, 0.3104,
0.1855

■ 42.3044, 0.3114,
0.2056

■ 50.0704, 0.3120,
0.2285

■ 59.6223, 0.3125,
0.2532

■ 71.0647, 0.3127,
0.2788

■ 84.4939, 0.3128,
0.3043

Harmonies

Analogous

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



25.5707, 0.1629, 0.1101



25.5707, 0.3049, 0.1453



25.5707, 0.5093, 0.2109

Triad

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



25.5707, 0.3049, 0.1453



25.5707, 0.5075, 0.4925



25.5707, 0.0674, 0.2351

Complementary

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



25.5707, 0.3049, 0.1453



71.6300, 0.3009, 0.5992

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.



25.5707, 0.1147, 0.4706



25.5707, 0.3049, 0.1453



25.5707, 0.3614, 0.6386

Square

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



25.5707, 0.3049, 0.1453



25.5707, 0.6228, 0.3737



25.5707, 0.2232, 0.6908



25.5707, 0.0646, 0.1358

Rectangle

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



25.5707, 0.3049, 0.1453



25.5707, 0.6161, 0.2623



25.5707, 0.2232, 0.6908



25.5707, 0.0767, 0.2964

Sweetspot

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



25.5746, 0.3049, 0.1454



59.6223, 0.3125, 0.2532



7.6209, 0.1508, 0.0630



11.8515, 0.3123, 0.2427



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.



25.5746, 0.3049, 0.1454



23.2889, 0.4714, 0.2371



18.2390, 0.3128, 0.3055



13.3881, 0.3052, 0.1455



1.3204, 0.3071, 0.1466

Inverse Universe

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



21.2973, 0.6354, 0.3274



72.6567, 0.2794, 0.5260



18.0055, 0.3285, 0.3275



11.1353, 0.6337, 0.3265



1.0904, 0.6192, 0.3185

Previews

White Background



This preview shows how the Yxy color 25.5707, 0.3049, 0.1453 looks on a white background.

Color Contrast Check

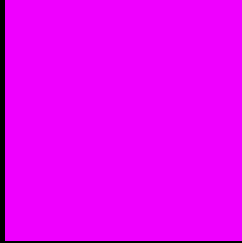
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5707, 0.3049, 0.1453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

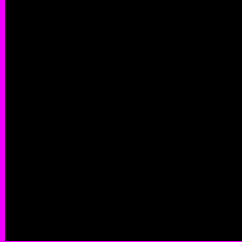
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5707, 0.3049, 0.1453

Background



This preview shows how black text looks on a background with the Yxy color 25.5707, 0.3049, 0.1453.



This preview shows how white text looks on a background with the Yxy color 25.5707, 0.3049, 0.1453.

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

25.5707, 0.3049, 0.1453

Protanopia

26.4061, 0.1937, 0.1710

Deuteranopia

26.3652, 0.1950, 0.1887



Tritanopia

25.7055, 0.4670, 0.3215

Trichromacy



Original Color

25.5707, 0.3049, 0.1453



Protanomaly

19.2706, 0.2143, 0.1306



Deuteranomaly

18.3405, 0.2121, 0.1354



Tritanomaly

22.7340, 0.4068, 0.2297

Monochromacy



Original Color

25.5707, 0.3049, 0.1453



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.6804, 0.3105, 0.1903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5707, 0.3049, 0.1453 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, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 0, 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, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.5707, 0.3049, 0.1453 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, 0, 255) }
```

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

```
.border{ border-color:rgb(239, 0, 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, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 25.5707, 0.3049, 0.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 0, 255) }
```

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

```
.background{ background-color: rgb(239, 0,  
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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