

Converting Colors

$Y_{xy}(25.2201, 0.3209, 0.1564)$

Have a look what the booklet for
Yxy(25.2201, 0.3209, 0.1564)
contains.

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Color

Yxy(25.2823, 0.3208, 0.1563)

Conversions

Conversions Part 1

Format	Color
Hex	F013F0
RGB	240, 19, 240
RGB Percent	94%, 7%, 94%
CMY	0.0589, 0.9250, 0.0588
CMYK	0.00, 0.92, 0.00, 0.06
HSL	300°, 88%, 51%
HSV	300°, 92%, 94%
XYZ	51.8910, 25.2823, 84.5817
YIQ	110.2730, 60.7750, 115.5830

Conversions

Conversions Part 2

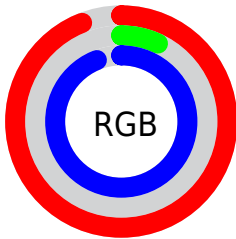
Format	Color
R _Y B	240, 19, 240
Decimal	15733744
CIE Lab	57.35, 92.49, -57.39
CIE LCh	57, 108.849, 328.182
Yxy	25.2823, 0.3208, 0.1563
Android (android.graphics.Color)	4293923824 (0xFFFF013F0)
YUV	110.2730, 63.9554, 113.7706
Hunter-Lab	50.2815, 96.2210, -64.5384

Details

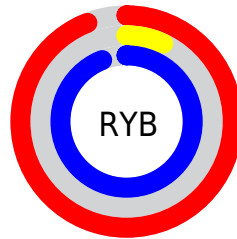
The Yxy color **25.2823, 0.3208, 0.1563** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **62.5068, 0.3002, 0.5948**, and the grayscale version is **15.4970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **13.0026, 0.3155, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **24.8130, 0.3209, 0.1541**, and if you desaturate by 10%, it is **26.5510, 0.3205, 0.1620**.

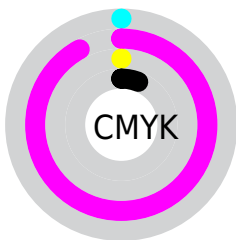
Distribution



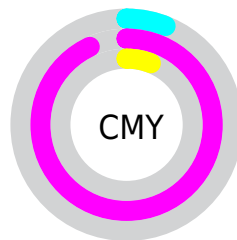
- Red (94%)
- Green (7%)
- Blue (94%)



- Red (94%)
- Yellow (7%)
- Blue (94%)



- Cyan (0%)
- Magenta (92%)
- Yellow (0%)
- Black (6%)



- Cyan (6%)
- Magenta (93%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2823, 0.3208, 0.1563 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 25.2823, 0.3208, 0.1563 by changing the saturation by 10% instead.


 25.2823, 0.3208,
0.1563


 25.2823, 0.3208,
0.1563


279.2409, 0.3219,
0.2339

 16.2875, 0.3192,
0.1400


 52.1148, 0.3223,
0.1823


 9.7278, 0.3164,
0.1207


 70.7213, 0.3225,
0.1927

 5.2189, 0.3116,
0.0981


 93.3006, 0.3226,
0.2018

 2.3762, 0.3034,
0.0719

 120.2369, 0.3226,
0.2098

 0.8136, 0.2889,
0.0429

 151.9147, 0.3225,
0.2168

 0.0000, 0.2663,
0.0000

188.7183, 0.3223,

 0.0000, 0.2133,

0.2231

0.0000

231.0323, 0.3221,
0.2288

■ 0.0000, 0.0000,
0.0000

■ 25.2823, 0.3208,
0.1563

■ 25.2823, 0.3208,
0.1563

■ 24.8130, 0.3209,
0.1541

■ 26.5510, 0.3205,
0.1620

■ 28.8439, 0.3201,
0.1720

■ 32.3190, 0.3194,
0.1863

■ 37.1061, 0.3185,
0.2045

■ 43.3183, 0.3175,
0.2258

■ 51.0563, 0.3164,
0.2494

■ 60.4120, 0.3153,
0.2742

■ 71.4697, 0.3141,
0.2994

■ 84.3080, 0.3129,
0.3241

Harmonies

Analogous

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



25.2823, 0.1775, 0.1188



25.2823, 0.3208, 0.1563



25.2823, 0.5142, 0.2228

Triad

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



25.2823, 0.3208, 0.1563



25.2823, 0.4954, 0.5046



25.2823, 0.0738, 0.2299

Complementary

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



25.2823, 0.3208, 0.1563



62.5068, 0.3002, 0.5948

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.



25.2823, 0.1181, 0.4405



25.2823, 0.3208, 0.1563



25.2823, 0.3564, 0.6385

Square

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



25.2823, 0.3208, 0.1563



25.2823, 0.6064, 0.3868



25.2823, 0.2223, 0.6605



25.2823, 0.0727, 0.1394

Rectangle

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



25.2823, 0.3208, 0.1563



25.2823, 0.6090, 0.2742



25.2823, 0.2223, 0.6605



25.2823, 0.0825, 0.2847

Sweetspot

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



25.2835, 0.3208, 0.1563



62.5940, 0.3160, 0.2591



7.0364, 0.1534, 0.0662



12.4596, 0.3165, 0.2484



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.



25.2835, 0.3208, 0.1563



28.4763, 0.3209, 0.1541



20.6955, 0.4741, 0.2427



16.0314, 0.3138, 0.3057



13.5832, 0.3209, 0.1541



1.1300, 0.3209, 0.1541

Inverse Universe

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



19.0428, 0.6287, 0.3299



21.2600, 0.6401, 0.3300



63.9625, 0.2721, 0.4945



15.7589, 0.3293, 0.3290



10.1410, 0.6401, 0.3300



0.8436, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 25.2823, 0.3208, 0.1563 looks on a white background.

Color Contrast Check

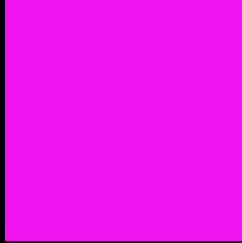
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2823, 0.3208, 0.1563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

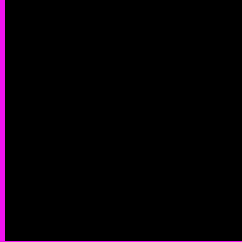
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2823, 0.3208, 0.1563

Background



This preview shows how black text looks on a background with the Yxy color 25.2823, 0.3208, 0.1563.



This preview shows how white text looks on a background with the Yxy color 25.2823, 0.3208, 0.1563.

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

25.2823, 0.3208, 0.1563

Protanopia

26.0038, 0.1923, 0.1693

Deuteranopia

25.8410, 0.2079, 0.2019



Tritanopia

25.1513, 0.4804, 0.3219

Trichromacy



Original Color

25.2823, 0.3208, 0.1563



Protanomaly

19.7992, 0.2161, 0.1380



Deuteranomaly

19.6167, 0.2324, 0.1545



Tritanomaly

23.1043, 0.4223, 0.2420

Monochromacy



Original Color

25.2823, 0.3208, 0.1563



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.9102, 0.3183, 0.2096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2823, 0.3208, 0.1563 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(240, 19, 240)` looks like.

```
.text, #text, p{  
    color:rgb(240, 19, 240)  
}
```

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(240, 19, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 19, 240) }
```

Border

The CSS property to change the border of an element to Yxy 25.2823, 0.3208, 0.1563 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(240, 19, 240) }
```

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

```
.border{ border-color:rgb(240, 19, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 19, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 19, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 19, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 19,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2823, 0.3208, 0.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 19, 240) }
```

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

```
.background{ background-color: rgb(240, 19,  
240) }
```

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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