

# Converting Colors

Yxy(25.3190, 0.3214, 0.1544)

Have a look what the booklet for  
Yxy(25.3190, 0.3214, 0.1544)  
contains.

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# Color

**Yxy(25.2881, 0.3209, 0.1542)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F201F2
RGB	242, 1, 242
RGB Percent	95%, 0%, 95%
CMY	0.0512, 0.9976, 0.0511
CMYK	0.00, 1.00, 0.00, 0.05
HSL	300°, 100%, 48%
HSV	300°, 100%, 95%
XYZ	52.6261, 25.2881, 86.0812
YIQ	100.5330, 66.2750, 126.0430

# Conversions

## Conversions Part 2

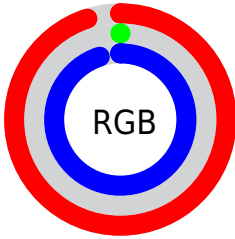
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 1, 242
Decimal	15860210
CIE Lab	57.36, 94.39, -58.46
CIE LCh	57, 111.025, 328.229
Yxy	25.2881, 0.3209, 0.1542
Android (android.graphics.Color)	4294050290 (0xFFFF201F2)
YUV	100.5330, 69.7432, 124.0666
Hunter-Lab	50.2873, 98.7993, -66.2909

# Details

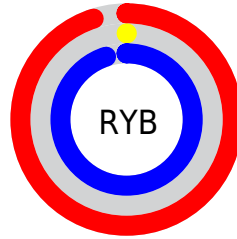
The Yxy color **25.2881, 0.3209, 0.1542** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **63.4867, 0.3000, 0.5999**, and the grayscale version is **12.6249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.3265, 0.3155, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **25.2762, 0.3209, 0.1541**, and if you desaturate by 10%, it is **25.9632, 0.3208, 0.1572**.

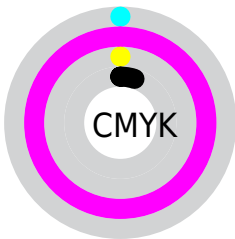
# Distribution



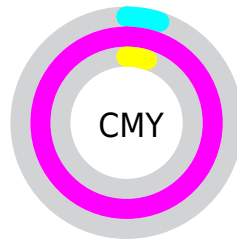
- Red (95%)
- Green (0%)
- Blue (95%)



- Red (95%)
- Yellow (0%)
- Blue (95%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2881, 0.3209, 0.1542 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 25.2881, 0.3209, 0.1542 by changing the saturation by 10% instead.





 25.2881, 0.3209,  
0.1542

 25.2881, 0.3209,  
0.1542


279.2697, 0.3221,  
0.2324


 16.2918, 0.3192,  
0.1378

 52.1242, 0.3224,  
0.1803

 9.7309, 0.3163,  
0.1186


 70.7329, 0.3227,  
0.1908


 5.2209, 0.3115,  
0.0961


 93.3144, 0.3228,  
0.1999

 2.3774, 0.3032,  
0.0702

 120.2533, 0.3228,  
0.2080

 0.8143, 0.2886,  
0.0416

 151.9338, 0.3227,  
0.2151

 0.0000, 0.2659,  
0.0000

188.7405, 0.3225,


 0.0000, 0.2137,


0.2215


0.0000


231.0576, 0.3223,  
0.2272


 0.0000, 0.0000,  
0.0000

 25.2881, 0.3209,  
0.1542


 25.2881, 0.3209,  
0.1542


 25.2762, 0.3209,  
0.1541

 25.9632, 0.3208,  
0.1572

 27.4730, 0.3205,  
0.1639

 30.0674, 0.3199,  
0.1748

 33.8986, 0.3192,  
0.1901

 39.0948, 0.3183,  
0.2091

■ 45.7680, 0.3173,  
0.2310

■ 54.0188, 0.3162,  
0.2549

■ 63.9389, 0.3150,  
0.2799

■ 75.6131, 0.3138,  
0.3050

# Harmonies

## Analogous

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



25.2881, 0.1756, 0.1165



25.2881, 0.3209, 0.1542



25.2881, 0.5181, 0.2211

# Triad

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



25.2881, 0.3209, 0.1542



25.2881, 0.4954, 0.5046



25.2881, 0.0712, 0.2273

# Complementary

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



25.2881, 0.3209, 0.1542



63.4867, 0.3000, 0.5999

# 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.



25.2881, 0.1149, 0.4420



25.2881, 0.3209, 0.1542



25.2881, 0.3547, 0.6434

# Square

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



25.2881, 0.3209, 0.1542



25.2881, 0.6096, 0.3856



25.2881, 0.2191, 0.6678



25.2881, 0.0704, 0.1367



# Rectangle

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



25.2881, 0.3209, 0.1542



25.2881, 0.6142, 0.2725



25.2881, 0.2191, 0.6678



25.2881, 0.0796, 0.2828

# Sweetspot

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



25.2893, 0.3209, 0.1542



60.5192, 0.3162, 0.2541



6.5128, 0.1503, 0.0609



12.0701, 0.3167, 0.2438



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.



25.2893, 0.3209, 0.1542



28.4769, 0.3209, 0.1541



20.3720, 0.4918, 0.2484



16.0314, 0.3138, 0.3057



13.5835, 0.3209, 0.1541



1.1300, 0.3209, 0.1541



# Inverse Universe

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



18.8849, 0.6398, 0.3300



21.2600, 0.6401, 0.3300



64.7758, 0.2747, 0.5088



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 25.2881, 0.3209, 0.1542 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

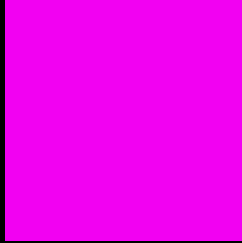
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.2881, 0.3209, 0.1542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

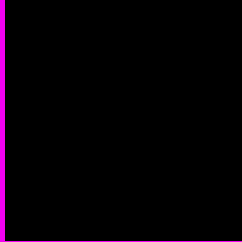
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.2881, 0.3209, 0.1542**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.2881, 0.3209, 0.1542.



This preview shows how white text looks on a background with the Yxy color 25.2881, 0.3209, 0.1542.

# 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

25.3098, 0.3209, 0.1543

### Protanopia

26.0438, 0.1926, 0.1694

### Deuteranopia

25.8503, 0.2071, 0.2007



## Tritanopia

25.4549, 0.4838, 0.3231

# Trichromacy



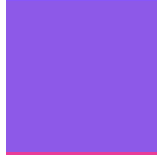
## Original Color

25.3098, 0.3209, 0.1543



## Protanomaly

18.7919, 0.2165, 0.1324



## Deuteranomaly

18.6337, 0.2308, 0.1477



## Tritanomaly

22.7603, 0.4260, 0.2387

# Monochromacy



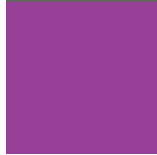
## Original Color

25.3098, 0.3209, 0.1543



## Achromatopsia

12.7438, 0.3127, 0.3290



## Achromatomaly

12.6092, 0.3189, 0.1966

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.2881, 0.3209, 0.1542 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(242, 1, 242)` looks like.

```
.text, #text, p{  
    color:rgb(242, 1, 242)  
}
```

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(242, 1, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 1, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 25.2881, 0.3209, 0.1542 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(242, 1, 242) }
```

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

```
.border{ border-color:rgb(242, 1, 242) }
```

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

Here you see how a box with a 4 pixel rgb(242, 1, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 1, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 1, 242);  
box-shadow:4px 4px 4px 4px rgb(242, 1,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.2881, 0.3209, 0.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 1, 242) }
```

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

```
.background{ background-color: rgb(242, 1,  
242) }
```

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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