

# Converting Colors

$Y_{xy}(24.8525, 0.3440, 0.1721)$

Have a look what the booklet for  
Yxy(24.8525, 0.3440, 0.1721)  
contains.

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**Color**

**Yxy(24.8481, 0.3440, 0.1721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F11FDC
RGB	241, 31, 220
RGB Percent	95%, 12%, 86%
CMY	0.0551, 0.8775, 0.1374
CMYK	0.00, 0.87, 0.09, 0.06
HSL	306°, 88%, 53%
HSV	306°, 87%, 94%
XYZ	49.6673, 24.8481, 69.8663
YIQ	115.3360, 64.4910, 103.2990

# Conversions

## Conversions Part 2

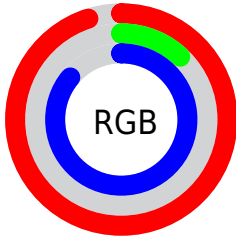
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 31, 220
Decimal	15802332
CIE Lab	56.93, 88.39, -46.77
CIE LCh	57, 99.999, 332.116
Yxy	24.8481, 0.3440, 0.1721
Android (android.graphics.Color)	4293992412 (0xFFFF11FDC)
YUV	115.3360, 51.5994, 110.2073
Hunter-Lab	49.8479, 90.6197, -48.2068

# Details

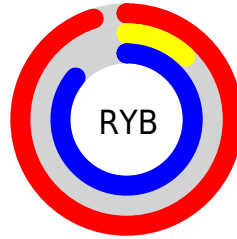
The Yxy color **24.8481, 0.3440, 0.1721** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **63.4251, 0.2971, 0.5773**, and the grayscale version is **17.1139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **12.3836, 0.3446, 0.1672** is the 20% darker color. If you saturate the color by 10%, you get **23.8855, 0.3473, 0.1695**, and if you desaturate by 10%, it is **26.7491, 0.3403, 0.1789**.

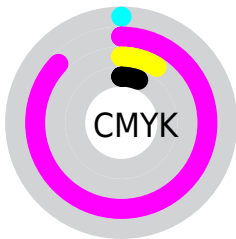
# Distribution



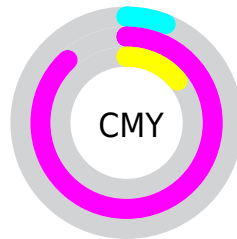
- Red (95%)
- Green (12%)
- Blue (86%)



- Red (95%)
- Yellow (12%)
- Blue (86%)



- Cyan (0%)
- Magenta (87%)
- Yellow (9%)
- Black (6%)



- Cyan (6%)
- Magenta (88%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8481, 0.3440, 0.1721 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 24.8481, 0.3440, 0.1721 by changing the saturation by 10% instead.





 24.8481, 0.3440,  
0.1721


 24.8481, 0.3440,  
0.1721


277.0806, 0.3321,  
0.2448


 15.9639, 0.3458,  
0.1561


 51.4107, 0.3405,  
0.1970


 9.4986, 0.3475,  
0.1369


 69.8579, 0.3390,  
0.2068

 5.0678, 0.3486,  
0.1137


 92.2616, 0.3376,  
0.2153

 2.2871, 0.3481,  
0.0857

 119.0061, 0.3363,  
0.2227

 0.7669, 0.3440,  
0.0529

 150.4758, 0.3351,  
0.2292

 0.0000, 0.3368,  
0.0000

187.0553, 0.3340,

 0.0000, 0.2923,

0.2350


0.0000

229.1287, 0.3330,  
0.2402


 0.0000, 0.0000,  
0.0000


 24.8481, 0.3440,  
0.1721


 24.8481, 0.3440,  
0.1721


 23.8855, 0.3473,  
0.1695


 26.7491, 0.3403,  
0.1789


 23.6935, 0.3483,  
0.1692

 29.7689, 0.3365,  
0.1903

 34.0515, 0.3325,  
0.2056


 39.7190, 0.3285,  
0.2243

 46.8789, 0.3246,  
0.2454

 55.6280, 0.3210,  
0.2679

 66.0552, 0.3176,  
0.2908

 78.2427, 0.3146,  
0.3135

 92.2671, 0.3120,  
0.3354

# Harmonies

## Analogous

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



24.8481, 0.1993, 0.1312



24.8481, 0.3440, 0.1721



24.8481, 0.5216, 0.2397

# Triad

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



24.8481, 0.3440, 0.1721



24.8481, 0.4785, 0.5215



24.8481, 0.0822, 0.2219

# Complementary

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



24.8481, 0.3440, 0.1721



63.4251, 0.2971, 0.5773

# 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.



24.8481, 0.1212, 0.4017



24.8481, 0.3440, 0.1721



24.8481, 0.3444, 0.6317

# Square

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



24.8481, 0.3440, 0.1721



24.8481, 0.5838, 0.4051



24.8481, 0.2175, 0.6162



24.8481, 0.0842, 0.1436



# Rectangle

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



24.8481, 0.3440, 0.1721



24.8481, 0.6001, 0.2909



24.8481, 0.2175, 0.6162



24.8481, 0.0896, 0.2686

# Sweetspot

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



24.8493, 0.3440, 0.1721



64.3264, 0.3206, 0.2701



8.0751, 0.1622, 0.0736



12.9696, 0.3219, 0.2621



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.



24.8493, 0.3440, 0.1721



26.9445, 0.3484, 0.1693



20.9242, 0.5047, 0.2650



16.0026, 0.3153, 0.3080



12.8661, 0.3478, 0.1690



1.0782, 0.3438, 0.1668



# Inverse Universe

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



24.8493, 0.3440, 0.1721



26.9445, 0.3484, 0.1693



65.6117, 0.2605, 0.4485



16.0026, 0.3153, 0.3080



12.8661, 0.3478, 0.1690



1.0782, 0.3438, 0.1668



# Previews

## White Background



This preview shows how the Yxy color 24.8481, 0.3440, 0.1721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

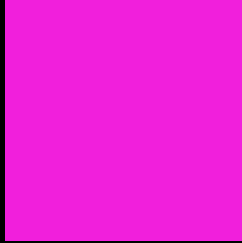
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.8481, 0.3440, 0.1721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

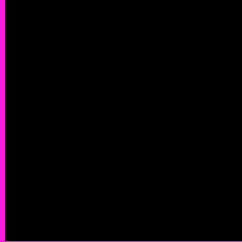
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.8481, 0.3440, 0.1721**

## Background



This preview shows how black text looks on a background with the Yxy color 24.8481, 0.3440, 0.1721.



This preview shows how white text looks on a background with the Yxy color 24.8481, 0.3440, 0.1721.

# 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

24.8481, 0.3440, 0.1721

### Protanopia

25.3347, 0.1906, 0.1663

### Deuteranopia

25.0564, 0.2274, 0.2211



## Tritanopia

24.8149, 0.4962, 0.3233

# Trichromacy



## Original Color

24.8481, 0.3440, 0.1721



## Protanomaly

19.7631, 0.2199, 0.1454



## Deuteranomaly

20.3589, 0.2581, 0.1777



## Tritanomaly

23.5030, 0.4424, 0.2565

# Monochromacy



## Original Color

24.8481, 0.3440, 0.1721



## Achromatopsia

17.1441, 0.3127, 0.3290



## Achromatomaly

16.3740, 0.3286, 0.2270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.8481, 0.3440, 0.1721 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(241, 31, 220)` looks like.

```
.text, #text, p{  
    color:rgb(241, 31, 220)  
}
```

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(241, 31, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 31, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 24.8481, 0.3440, 0.1721 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(241, 31, 220) }
```

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

```
.border{ border-color:rgb(241, 31, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 31, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 31, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 31, 220);  
box-shadow:4px 4px 4px 4px rgb(241, 31,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.8481, 0.3440, 0.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 31, 220) }
```

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

```
.background{ background-color: rgb(241, 31,  
220) }
```

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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