

# Converting Colors

$Y_{xy}(26.2367, 0.3549, 0.1736)$

Have a look what the booklet for  
Yxy(26.2367, 0.3549, 0.1736)  
contains.

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# Color

**Yxy(26.3085, 0.3551, 0.1737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD07DE
RGB	253, 7, 222
RGB Percent	99%, 3%, 87%
CMY	0.0077, 0.9741, 0.1293
CMYK	0.00, 0.97, 0.12, 0.01
HSL	308°, 98%, 51%
HSV	308°, 97%, 99%
XYZ	53.7832, 26.3085, 71.3677
YIQ	105.0640, 77.6010, 119.0170

# Conversions

## Conversions Part 2

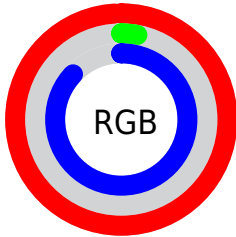
Format	Color
<a href="#">RYB</a>	<a href="#">253, 7, 222</a>
Decimal	<a href="#">16582622</a>
CIELab	<a href="#">58.33, 93.18, -45.58</a>
CIELCh	<a href="#">58, 103.728, 333.935</a>
Yxy	<a href="#">26.3085, 0.3551, 0.1737</a>
Android (android.graphics.Color)	<a href="#">4294772702 (0xFFFD07DE)</a>
YUV	<a href="#">105.0640, 57.6494, 129.7399</a>
Hunter-Lab	<a href="#">51.2918, 97.4097, -46.5921</a>

# Details

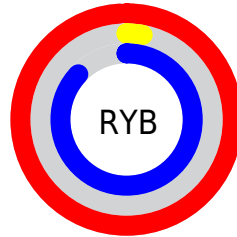
The Yxy color **26.3085, 0.3551, 0.1737** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **70.4591, 0.2975, 0.5894**, and the grayscale version is **13.9099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **13.8295, 0.3571, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **26.1218, 0.3562, 0.1736**, and if you desaturate by 10%, it is **27.3672, 0.3508, 0.1756**.

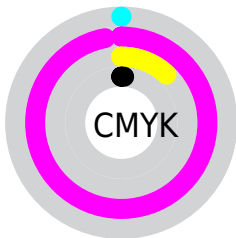
# Distribution



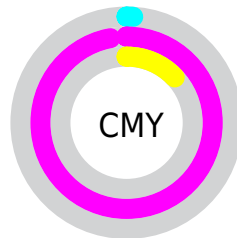
- Red (99%)
- Green (3%)
- Blue (87%)



- Red (99%)
- Yellow (3%)
- Blue (87%)



- Cyan (0%)
- Magenta (97%)
- Yellow (12%)
- Black (1%)




- Cyan (1%)
- Magenta (97%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3085, 0.3551, 0.1737 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 26.3085, 0.3551, 0.1737 by changing the saturation by 10% instead.



 26.3085, 0.3551,  
0.1737

 26.3085, 0.3551,  
0.1737


284.2932, 0.3375,  
0.2451

 17.0546, 0.3584,  
0.1581


 53.7722, 0.3495,  
0.1980


 10.2734, 0.3619,  
0.1394


 72.7508, 0.3472,  
0.2076


 5.5806, 0.3656,  
0.1168


 95.7397, 0.3451,  
0.2160

 2.5918, 0.3689,  
0.0897

 123.1234, 0.3433,  
0.2233

 0.9225, 0.3702,  
0.0578

 155.2861, 0.3416,  
0.2297

 0.0000, 0.3744,  
0.0000

192.6125, 0.3401,

 0.0000, 0.3437,

0.2354

0.0000

235.4867, 0.3387,  
0.2405

■ 0.0000, 0.0000,  
0.0000

■ 26.3085, 0.3551,  
0.1737

■ 26.3085, 0.3551,  
0.1737

■ 26.1218, 0.3562,  
0.1736

■ 27.3672, 0.3508,  
0.1756

■ 29.4625, 0.3462,  
0.1819

■ 32.8074, 0.3413,  
0.1928

■ 37.5648, 0.3363,  
0.2077

■ 43.8728, 0.3315,  
0.2260

■ 51.8535, 0.3268,  
0.2466

■ 61.6163, 0.3225,  
0.2685

■ 73.2617, 0.3185,  
0.2910

■ 86.8826, 0.3150,  
0.3131

# Harmonies

## Analogous

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



26.3085, 0.2045, 0.1307



26.3085, 0.3551, 0.1737



26.3085, 0.5344, 0.2428

# Triad

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



26.3085, 0.3551, 0.1737



26.3085, 0.4705, 0.5295



26.3085, 0.0790, 0.2126

# Complementary

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



26.3085, 0.3551, 0.1737



70.4591, 0.2975, 0.5894

# 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.



26.3085, 0.1145, 0.3883



26.3085, 0.3551, 0.1737



26.3085, 0.3348, 0.6405

# Square

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



26.3085, 0.3551, 0.1737



26.3085, 0.5815, 0.4105



26.3085, 0.2079, 0.6134



26.3085, 0.0832, 0.1387



# Rectangle

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



26.3085, 0.3551, 0.1737



26.3085, 0.6087, 0.2942



26.3085, 0.2079, 0.6134



26.3085, 0.0854, 0.2575

# Sweetspot

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



26.3098, 0.3551, 0.1737



60.9630, 0.3232, 0.2649



7.6019, 0.1548, 0.0636



12.1202, 0.3250, 0.2555



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.



26.3098, 0.3551, 0.1737



26.5824, 0.3562, 0.1736



21.9757, 0.5420, 0.2774



18.2587, 0.3157, 0.3085



13.9054, 0.3556, 0.1732



1.3645, 0.3510, 0.1707



# Inverse Universe

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



26.3098, 0.3551, 0.1737



26.5824, 0.3562, 0.1736



72.8101, 0.2611, 0.4587



18.2587, 0.3157, 0.3085



13.9054, 0.3556, 0.1732



1.3645, 0.3510, 0.1707



# Previews

## White Background



This preview shows how the Yxy color 26.3085, 0.3551, 0.1737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

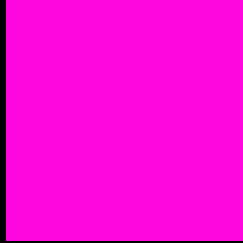
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.3085, 0.3551, 0.1737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

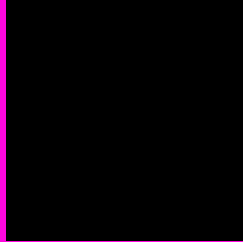
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.3085, 0.3551, 0.1737**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3085, 0.3551, 0.1737.



This preview shows how white text looks on a background with the Yxy color 26.3085, 0.3551, 0.1737.

# 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

26.3085, 0.3551, 0.1737

### Protanopia

27.1908, 0.1962, 0.1742

### Deuteranopia

26.7550, 0.2334, 0.2275



## Tritanopia

26.3075, 0.5130, 0.3240

# Trichromacy



## Original Color

26.3085, 0.3551, 0.1737



## Protanomaly

19.7127, 0.2271, 0.1429



## Deuteranomaly

20.0728, 0.2657, 0.1729



## Tritanomaly

24.3320, 0.4601, 0.2550

# Monochromacy



## Original Color

26.3085, 0.3551, 0.1737



## Achromatopsia

14.1263, 0.3127, 0.3290



## Achromatomaly

13.7653, 0.3346, 0.2116

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3085, 0.3551, 0.1737 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(253, 7, 222)` looks like.

```
.text, #text, p{  
    color:rgb(253, 7, 222)  
}
```

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(253, 7, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 7, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3085, 0.3551, 0.1737 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(253, 7, 222) }
```

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

```
.border{ border-color:rgb(253, 7, 222) }
```

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

Here you see how a box with a 4 pixel rgb(253, 7, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 7, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 7, 222);  
box-shadow:4px 4px 4px 4px rgb(253, 7,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3085, 0.3551, 0.1737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 7, 222) }
```

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

```
.background{ background-color: rgb(253, 7,  
222) }
```

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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