

Converting Colors

$Yxy(51.0851, 0.4030, 0.2344)$

Have a look what the booklet for
Yxy(51.0851, 0.4030, 0.2344)
contains.

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Color

Yxy(37.0203, 0.3443, 0.2109)

Conversions

Conversions Part 1

Format	Color
Hex	FF69E5
RGB	255, 105, 229
RGB Percent	100%, 41%, 90%
CMY	0.0000, 0.5882, 0.1020
CMYK	0.00, 0.59, 0.10, 0.00
HSL	310°, 100%, 71%
HSV	310°, 59%, 100%
XYZ	60.4366, 37.0203, 78.0779
YIQ	163.9860, 49.5960, 70.3640

Conversions

Conversions Part 2

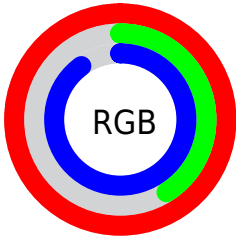
Format	Color
R_{YB}	255, 105, 229
Decimal	16738789
CIE _{Lab}	67.29, 70.94, -35.41
CIE _{LCh}	67, 79.283, 333.475
Yxy	37.0203, 0.3443, 0.2109
Android (android.graphics.Color)	4294928869 (0xFFFF69E5)
YUV	163.9860, 32.0519, 79.8193
Hunter-Lab	60.8443, 70.8265, -33.4923

Details

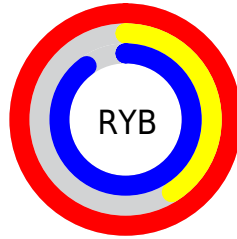
The Yxy color **37.0203, 0.3443, 0.2109** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.1622, 0.2936, 0.4894**, and the grayscale version is **36.9426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **16.2051, 0.3501, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **32.3365, 0.3511, 0.1971**, and if you desaturate by 10%, it is **43.2647, 0.3377, 0.2281**.

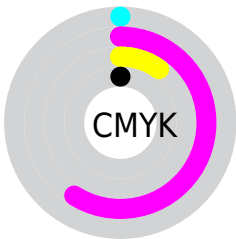
Distribution



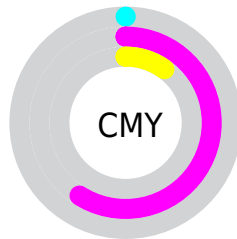
- Red (100%)
- Green (41%)
- Blue (90%)



- Red (100%)
- Yellow (41%)
- Blue (90%)



- Cyan (0%)
- Magenta (59%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (59%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0203, 0.3443, 0.2109 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 37.0203, 0.3443, 0.2109 by changing the saturation by 10% instead.


 37.0203, 0.3443,
0.2109


 37.0203, 0.3443,
0.2109


333.3984, 0.3309,
0.2652


 25.2232, 0.3470,
0.1988


 70.6040, 0.3399,
0.2295

 16.2434, 0.3501,
0.1841


 93.1594, 0.3381,
0.2368

 9.6966, 0.3536,
0.1660


 120.0697, 0.3366,
0.2431

 5.1982, 0.3576,
0.1431

 151.7193, 0.3352,
0.2487

 2.3640, 0.3615,
0.1140

188.4926, 0.3339,
0.2535

 0.8073, 0.3641,
0.0769

230.7739, 0.3328,

 0.0000, 0.3725,

0.2578

0.0000

278.9477, 0.3318,
0.2617

■ 0.0000, 0.2949,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0203, 0.3443,
0.2109

■ 37.0203, 0.3443,
0.2109

■ 32.3365, 0.3511,
0.1971

■ 43.2647, 0.3377,
0.2281

■ 29.0729, 0.3579,
0.1875


■ 51.1994, 0.3315,
0.2476

■ 27.0576, 0.3645,
0.1825

■ 60.9368, 0.3258,
0.2685

■ 26.0431, 0.3707,
0.1819

■ 72.5802, 0.3207,
0.2899

 25.9519, 0.3714,
0.1820

 86.2254, 0.3162,
0.3110

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



37.0203, 0.2340, 0.1744



37.0203, 0.3443, 0.2109



37.0203, 0.4656, 0.2695

Triad

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



37.0203, 0.3443, 0.2109



37.0203, 0.4538, 0.4972



37.0203, 0.1312, 0.2542

Complementary

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



37.0203, 0.3443, 0.2109



76.1622, 0.2936, 0.4894

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.



37.0203, 0.1698, 0.3771



37.0203, 0.3443, 0.2109



37.0203, 0.3547, 0.5511

Square

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



37.0203, 0.3443, 0.2109



37.0203, 0.5248, 0.4164



37.0203, 0.2510, 0.5110



37.0203, 0.1307, 0.1877

Rectangle

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



37.0203, 0.3443, 0.2109



37.0203, 0.5215, 0.3155



37.0203, 0.2510, 0.5110



37.0203, 0.1394, 0.2891

Sweetspot

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



37.0191, 0.3443, 0.2109



73.6279, 0.3203, 0.2916



22.0685, 0.2132, 0.1456



14.9806, 0.3217, 0.2854



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.



37.0191, 0.3443, 0.2109



31.5111, 0.3526, 0.1946



33.7293, 0.4325, 0.2794



18.2431, 0.3165, 0.3096



13.5802, 0.3704, 0.1814



1.3359, 0.3638, 0.1778

Inverse Universe

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



37.0191, 0.3443, 0.2109



31.5111, 0.3526, 0.1946



78.9309, 0.2607, 0.3912



18.2431, 0.3165, 0.3096



13.5802, 0.3704, 0.1814



1.3359, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 37.0203, 0.3443, 0.2109 looks on a white background.

Color Contrast Check

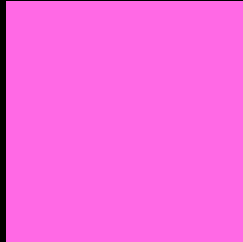
Large Text (above 18pt) WCAG AA × Fail

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 37.0203, 0.3443, 0.2109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

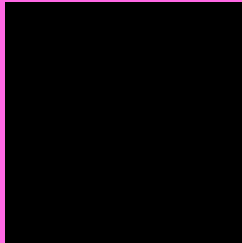
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0203, 0.3443, 0.2109

Background



This preview shows how black text looks on a background with the Yxy color 37.0203, 0.3443, 0.2109.



This preview shows how white text looks on a background with the Yxy color 37.0203, 0.3443, 0.2109.

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

37.0203, 0.3443, 0.2109

Protanopia

37.3769, 0.2252, 0.2112

Deuteranopia

37.3975, 0.2574, 0.2518



Tritanopia

36.6858, 0.4339, 0.3186

Trichromacy



Original Color

37.0203, 0.3443, 0.2109



Protanomaly

34.8175, 0.2575, 0.2045



Deuteranomaly

35.0688, 0.2850, 0.2293



Tritanomaly

36.5130, 0.4012, 0.2757

Monochromacy



Original Color

37.0203, 0.3443, 0.2109



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.1461, 0.3244, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0203, 0.3443, 0.2109 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(255, 105, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 229)  
}
```

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(255, 105, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 229) }
```

Border

The CSS property to change the border of an element to Yxy 37.0203, 0.3443, 0.2109 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(255, 105, 229) }
```

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

```
.border{ border-color:rgb(255, 105, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 105, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 105, 229); box-shadow:4px 4px 4px 4px rgb(255, 105, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0203, 0.3443, 0.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 229) }
```

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

```
.background{ background-color: rgb(255,  
105, 229) }
```

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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