

Converting Colors

$Y_{xy}(41.2819, 0.3934, 0.2393)$

Have a look what the booklet for
Yxy(41.2819, 0.3934, 0.2393)
contains.

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Color

Yxy(36.0731, 0.3680, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	FF6ACF
RGB	255, 106, 207
RGB Percent	100%, 42%, 81%
CMY	0.0000, 0.5844, 0.1882
CMYK	0.00, 0.58, 0.19, 0.00
HSL	319°, 100%, 71%
HSV	319°, 58%, 100%
XYZ	57.6668, 36.0731, 62.9634
YIQ	162.0650, 56.3830, 62.9990

Conversions

Conversions Part 2

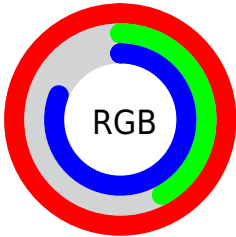
Format	Color
R _Y B	255, 106, 207
Decimal	16739023
CIE Lab	66.58, 67.35, -24.25
CIE LCh	67, 71.588, 340.197
Yxy	36.0731, 0.3680, 0.2302
Android (android.graphics.Color)	4294929103 (0xFFFF6ACF)
YUV	162.0650, 22.1530, 81.5040
Hunter-Lab	60.0609, 66.2783, -20.1126

Details

The Yxy color **36.0731, 0.3680, 0.2302** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.9144, 0.2840, 0.4596**, and the grayscale version is **36.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **15.6705, 0.3828, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **31.1814, 0.3815, 0.2186**, and if you desaturate by 10%, it is **42.5382, 0.3554, 0.2450**.

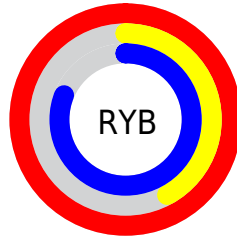
Distribution



Red (100%)

Green (42%)

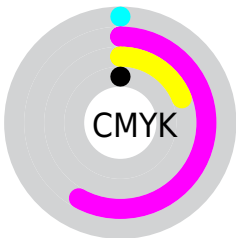
Blue (81%)



Red (100%)

Yellow (42%)

Blue (81%)

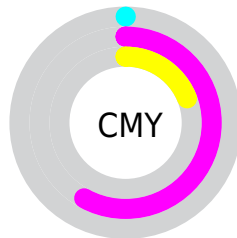


Cyan (0%)

Magenta (58%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0731, 0.3680, 0.2302 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 36.0731, 0.3680, 0.2302 by changing the saturation by 10% instead.


 36.0731, 0.3680,
0.2302


 36.0731, 0.3680,
0.2302


329.2799, 0.3415,
0.2770


 24.4907, 0.3743,
0.2194


 69.1449, 0.3586,
0.2466

 15.6980, 0.3821,
0.2059


 91.4030, 0.3550,
0.2529

 9.3107, 0.3920,
0.1890


 117.9885, 0.3520,
0.2584

 4.9444, 0.4052,
0.1669

 149.2857, 0.3493,
0.2631

 2.2147, 0.4232,
0.1374

185.6791, 0.3470,
0.2672

 0.7280, 0.4494,
0.0964

227.5530, 0.3449,

 0.0000, 0.5087,

0.2709

0.0000

275.2918, 0.3431,
0.2741

■ 0.0000, 0.7495,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0731, 0.3680,
0.2302

■ 36.0731, 0.3680,
0.2302

■ 31.1814, 0.3815,
0.2186

■ 42.5382, 0.3554,
0.2450

■ 27.7336, 0.3956,
0.2111

■ 50.7166, 0.3440,
0.2617


■ 25.5553, 0.4097,
0.2086

■ 60.7168, 0.3341,
0.2794

■ 24.4089, 0.4233,
0.2111

■ 72.6422, 0.3254,
0.2974

 24.2729, 0.4254,
0.2117

 86.5885, 0.3180,
0.3148

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.



36.0731, 0.2607, 0.1902



36.0731, 0.3680, 0.2302



36.0731, 0.4726, 0.2893

Triad

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



36.0731, 0.3680, 0.2302



36.0731, 0.4278, 0.5018



36.0731, 0.1403, 0.2435

Complementary

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



36.0731, 0.3680, 0.2302



76.9144, 0.2840, 0.4596

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.



36.0731, 0.1693, 0.3452



36.0731, 0.3680, 0.2302



36.0731, 0.3330, 0.5317

Square

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



36.0731, 0.3680, 0.2302



36.0731, 0.4998, 0.4315



36.0731, 0.2380, 0.4698



36.0731, 0.1465, 0.1905

Rectangle

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



36.0731, 0.3680, 0.2302



36.0731, 0.5139, 0.3343



36.0731, 0.2380, 0.4698



36.0731, 0.1457, 0.2719

Sweetspot

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



36.0685, 0.3680, 0.2302



73.2144, 0.3251, 0.2981



24.3113, 0.2301, 0.1538



14.8789, 0.3274, 0.2930



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.



36.0685, 0.3680, 0.2302



30.5533, 0.3837, 0.2171



33.2645, 0.4606, 0.3025



18.1950, 0.3188, 0.3130



12.7116, 0.4233, 0.2105



1.2577, 0.4086, 0.2025

Inverse Universe

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



36.0685, 0.3680, 0.2302



30.5533, 0.3837, 0.2171



80.1662, 0.2513, 0.3619



18.1950, 0.3188, 0.3130



12.7116, 0.4233, 0.2105



1.2577, 0.4086, 0.2025

Previews

White Background



This preview shows how the Yxy color 36.0731, 0.3680, 0.2302 looks on a white background.

Color Contrast Check

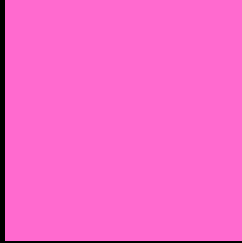
Large Text (above 18pt) WCAG AA × Fail

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 36.0731, 0.3680, 0.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

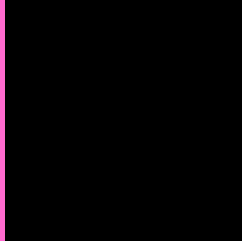
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0731, 0.3680, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 36.0731, 0.3680, 0.2302.



This preview shows how white text looks on a background with the Yxy color 36.0731, 0.3680, 0.2302.

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

36.0731, 0.3680, 0.2302

Protanopia

36.3989, 0.2291, 0.2155

Deuteranopia

36.3934, 0.2804, 0.2743



Tritanopia

36.0652, 0.4449, 0.3199

Trichromacy



Original Color

36.0731, 0.3680, 0.2302



Protanomaly

33.8695, 0.2670, 0.2154



Deuteranomaly

34.6225, 0.3094, 0.2518



Tritanomaly

35.7699, 0.4177, 0.2847

Monochromacy



Original Color

36.0731, 0.3680, 0.2302



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.2961, 0.3335, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0731, 0.3680, 0.2302 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, 106, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 207)  
}
```

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, 106, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.0731, 0.3680, 0.2302 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, 106, 207) }
```

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

```
.border{ border-color:rgb(255, 106, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 106, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 106, 207); box-shadow:4px 4px 4px 4px rgb(255, 106, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0731, 0.3680, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 207) }
```

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

```
.background{ background-color: rgb(255,  
106, 207) }
```

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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