

Converting Colors

$Y_{xy}(46.7039, 0.4139, 0.2445)$

Have a look what the booklet for
Yxy(46.7039, 0.4139, 0.2445)
contains.

Yxy(35.7641, 0.3660, 0.2269)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.7641, 0.3660, 0.2269)

Conversions

Conversions Part 1

Format	Color
Hex	FF68D1
RGB	255, 104, 209
RGB Percent	100%, 41%, 82%
CMY	0.0001, 0.5920, 0.1805
CMYK	0.00, 0.59, 0.18, 0.00
HSL	318°, 100%, 70%
HSV	318°, 59%, 100%
XYZ	57.6891, 35.7641, 64.1673
YIQ	161.1190, 56.2910, 64.6670

Conversions

Conversions Part 2

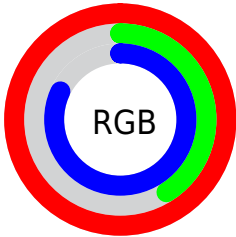
Format	Color
R _Y B	255, 104, 209
Decimal	16738513
CIE Lab	66.34, 68.43, -25.72
CIE LCh	66, 73.101, 339.404
Yxy	35.7641, 0.3660, 0.2269
Android (android.graphics.Color)	4294928593 (0xFFFF68D1)
YUV	161.1190, 23.6053, 82.3336
Hunter-Lab	59.8031, 67.5348, -21.7546

Details

The Yxy color **35.7641, 0.3660, 0.2269** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.6522, 0.2850, 0.4651**, and the grayscale version is **35.5730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **15.5211, 0.3799, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **31.0079, 0.3787, 0.2152**, and if you desaturate by 10%, it is **42.0939, 0.3541, 0.2418**.

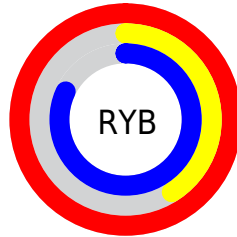
Distribution



Red (100%)

Green (41%)

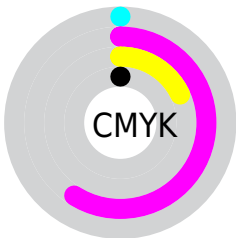
Blue (82%)



Red (100%)

Yellow (41%)

Blue (82%)

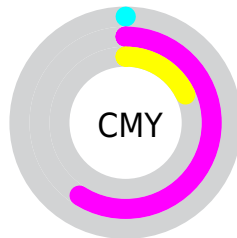


Cyan (0%)

Magenta (59%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7641, 0.3660, 0.2269 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 35.7641, 0.3660, 0.2269 by changing the saturation by 10% instead.


 35.7641, 0.3660,
0.2269


 35.7641, 0.3660,
0.2269


327.9283, 0.3406,
0.2751


 24.2521, 0.3719,
0.2158


 68.6678, 0.3571,
0.2437

 15.5207, 0.3793,
0.2020

 90.8283, 0.3536,
0.2503

 9.1856, 0.3886,
0.1847


 117.3070, 0.3507,
0.2559

 4.8625, 0.4009,
0.1623

 148.4883, 0.3481,
0.2607

 2.1668, 0.4174,
0.1325

184.7568, 0.3459,
0.2650

 0.7018, 0.4409,
0.0911

226.4966, 0.3439,

 0.0000, 0.4920,

0.2688

0.0000

274.0924, 0.3422,
0.2721

■ 0.0000, 0.6065,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7641, 0.3660,
0.2269

■ 35.7641, 0.3660,
0.2269

■ 31.0079, 0.3787,
0.2152

■ 42.0939, 0.3541,
0.2418

■ 27.6750, 0.3919,
0.2078


■ 50.1191, 0.3433,
0.2588

■ 25.5951, 0.4050,
0.2054

■ 59.9552, 0.3337,
0.2769

■ 24.5096, 0.4177,
0.2077

■ 71.7064, 0.3254,
0.2952

 24.4401, 0.4187,
0.2080

 85.4687, 0.3183,
0.3132

99.9951, 0.3127,
0.3290

Harmonies

Analogous

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



35.7641, 0.2569, 0.1870



35.7641, 0.3660, 0.2269



35.7641, 0.4741, 0.2864

Triad

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



35.7641, 0.3660, 0.2269



35.7641, 0.4316, 0.5032



35.7641, 0.1375, 0.2434

Complementary

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



35.7641, 0.3660, 0.2269



76.6522, 0.2850, 0.4651

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.



35.7641, 0.1676, 0.3486



35.7641, 0.3660, 0.2269



35.7641, 0.3353, 0.5371

Square

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



35.7641, 0.3660, 0.2269



35.7641, 0.5045, 0.4303



35.7641, 0.2383, 0.4767



35.7641, 0.1430, 0.1886

Rectangle

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



35.7641, 0.3660, 0.2269



35.7641, 0.5175, 0.3318



35.7641, 0.2383, 0.4767



35.7641, 0.1432, 0.2728

Sweetspot

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



35.7659, 0.3660, 0.2269



73.2616, 0.3245, 0.2974



23.5466, 0.2269, 0.1507



14.8904, 0.3267, 0.2921



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.



35.7659, 0.3660, 0.2269



30.3127, 0.3811, 0.2136



32.8912, 0.4603, 0.2998



18.2005, 0.3185, 0.3126



12.8013, 0.4167, 0.2069



1.2659, 0.4030, 0.1994

Inverse Universe

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



35.7659, 0.3660, 0.2269



30.3127, 0.3811, 0.2136



79.8736, 0.2518, 0.3656



18.2005, 0.3185, 0.3126



12.8013, 0.4167, 0.2069



1.2659, 0.4030, 0.1994

Previews

White Background



This preview shows how the Yxy color 35.7641, 0.3660, 0.2269 looks on a white background.

Color Contrast Check

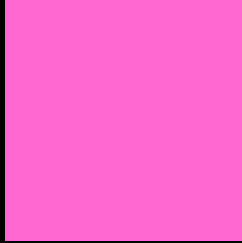
Large Text (above 18pt) WCAG AA × Fail

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 35.7641, 0.3660, 0.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

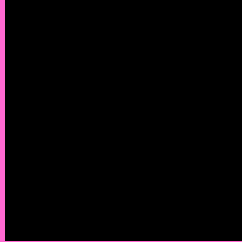
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7641, 0.3660, 0.2269

Background



This preview shows how black text looks on a background with the Yxy color 35.7641, 0.3660, 0.2269.



This preview shows how white text looks on a background with the Yxy color 35.7641, 0.3660, 0.2269.

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

35.7641, 0.3660, 0.2269

Protanopia

36.3505, 0.2260, 0.2122

Deuteranopia

35.7919, 0.2770, 0.2712



Tritanopia

35.6060, 0.4457, 0.3199

Trichromacy



Original Color

35.7641, 0.3660, 0.2269



Protanomaly

33.5200, 0.2631, 0.2109



Deuteranomaly

33.8262, 0.3066, 0.2478



Tritanomaly

35.3528, 0.4171, 0.2835

Monochromacy



Original Color

35.7641, 0.3660, 0.2269



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.5726, 0.3327, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7641, 0.3660, 0.2269 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, 104, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 209)  
}
```

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, 104, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 209) }
```

Border

The CSS property to change the border of an element to Yxy 35.7641, 0.3660, 0.2269 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, 104, 209) }
```

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

```
.border{ border-color:rgb(255, 104, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7641, 0.3660, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 209) }
```

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

```
.background{ background-color: rgb(255,  
104, 209) }
```

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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