

Converting Colors

$Y_{xy}(36.7213, 0.3585, 0.2238)$

Have a look what the booklet for
Yxy(36.7213, 0.3585, 0.2238)
contains.

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Color

Yxy(36.6817, 0.3589, 0.2241)

Conversions

Conversions Part 1

Format	Color
Hex	FF6BD7
RGB	255, 107, 215
RGB Percent	100%, 42%, 84%
CMY	0.0002, 0.5801, 0.1570
CMYK	0.00, 0.58, 0.16, 0.00
HSL	316°, 100%, 71%
HSV	316°, 58%, 100%
XYZ	58.7464, 36.6817, 68.2564
YIQ	163.5640, 53.5400, 64.9640

Conversions

Conversions Part 2

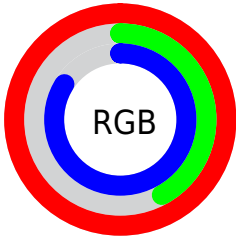
Format	Color
R _Y B	255, 107, 215
Decimal	16739287
CIE Lab	67.04, 67.99, -28.00
CIE LCh	67, 73.529, 337.616
Yxy	36.6817, 0.3589, 0.2241
Android (android.graphics.Color)	4294929367 (0xFFFF6BD7)
YUV	163.5640, 25.3579, 80.1894
Hunter-Lab	60.5654, 67.1494, -24.4233

Details

The Yxy color **36.6817, 0.3589, 0.2241** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.7242, 0.2875, 0.4685**, and the grayscale version is **36.7735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3903, 0.3168, 0.2412**, and **16.0169, 0.3697, 0.1988** is the 20% darker color. If you saturate the color by 10%, you get **31.7778, 0.3699, 0.2114**, and if you desaturate by 10%, it is **43.1709, 0.3486, 0.2399**.

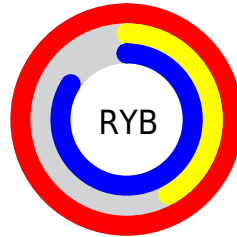
Distribution



Red (100%)

Green (42%)

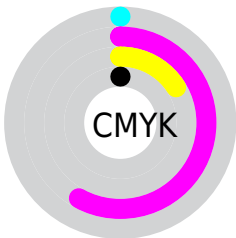
Blue (84%)



Red (100%)

Yellow (42%)

Blue (84%)

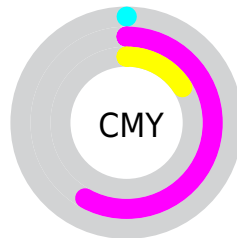


Cyan (0%)

Magenta (58%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6817, 0.3589, 0.2241 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 36.6817, 0.3589, 0.2241 by changing the saturation by 10% instead.


 36.6817, 0.3589,
0.2241


 36.6817, 0.3589,
0.2241

331.9304, 0.3374,
0.2732

 24.9611, 0.3638,
0.2129


 70.0830, 0.3514,
0.2412

 16.0481, 0.3698,
0.1991


 92.5325, 0.3485,
0.2478

 9.5582, 0.3772,
0.1817


 119.3271, 0.3460,
0.2535

 5.1070, 0.3868,
0.1595

150.8512, 0.3439,
0.2585

 2.3102, 0.3992,
0.1302

187.4891, 0.3419,
0.2629

 0.7791, 0.4156,
0.0910

229.6254, 0.3403,

 0.0000, 0.4541,

0.2667

0.0000

277.6444, 0.3387,
0.2702

■ 0.0000, 0.4281,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6817, 0.3589,
0.2241

■ 36.6817, 0.3589,
0.2241

■ 31.7778, 0.3699,
0.2114

■ 43.1709, 0.3486,
0.2399

■ 28.3116, 0.3812,
0.2029


■ 51.3651, 0.3391,
0.2578


■ 26.1168, 0.3925,
0.1992

■ 61.3787, 0.3307,
0.2767

■ 24.9659, 0.4034,
0.2003

■ 73.3146, 0.3234,
0.2958

 24.7969, 0.4056,
0.2008

 87.2680, 0.3171,
0.3146

99.9902, 0.3127,
0.3290

Harmonies

Analogous

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



36.6817, 0.2515, 0.1857



36.6817, 0.3589, 0.2241



36.6817, 0.4684, 0.2826

Triad

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



36.6817, 0.3589, 0.2241



36.6817, 0.4366, 0.4991



36.6817, 0.1386, 0.2484

Complementary

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



36.6817, 0.3589, 0.2241



76.7242, 0.2875, 0.4685

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.



36.6817, 0.1710, 0.3563



36.6817, 0.3589, 0.2241



36.6817, 0.3413, 0.5367

Square

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



36.6817, 0.3589, 0.2241



36.6817, 0.5072, 0.4257



36.6817, 0.2438, 0.4826



36.6817, 0.1421, 0.1909

Rectangle

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



36.6817, 0.3589, 0.2241



36.6817, 0.5144, 0.3277



36.6817, 0.2438, 0.4826



36.6817, 0.1450, 0.2788

Sweetspot

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



36.6835, 0.3589, 0.2241



74.6603, 0.3227, 0.2978



23.9017, 0.2253, 0.1528



15.4241, 0.3241, 0.2939



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.



36.6835, 0.3589, 0.2241



30.9909, 0.3722, 0.2094



33.7186, 0.4492, 0.2951



18.2116, 0.3180, 0.3118



12.9892, 0.4038, 0.1998



1.2830, 0.3922, 0.1934

Inverse Universe

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



36.6835, 0.3589, 0.2241



30.9909, 0.3722, 0.2094



79.8073, 0.2547, 0.3710



18.2116, 0.3180, 0.3118



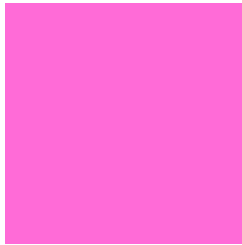
12.9892, 0.4038, 0.1998



1.2830, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 36.6817, 0.3589, 0.2241 looks on a white background.

Color Contrast Check

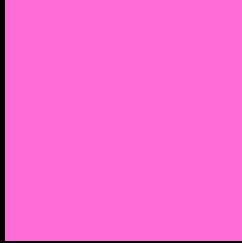
Large Text (above 18pt) WCAG AA × Fail

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 36.6817, 0.3589, 0.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

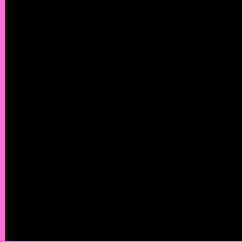
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6817, 0.3589, 0.2241

Background



This preview shows how black text looks on a background with the Yxy color 36.6817, 0.3589, 0.2241.



This preview shows how white text looks on a background with the Yxy color 36.6817, 0.3589, 0.2241.

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

36.6817, 0.3589, 0.2241

Protanopia

37.0287, 0.2250, 0.2100

Deuteranopia

36.7659, 0.2728, 0.2666



Tritanopia

36.4451, 0.4405, 0.3198

Trichromacy



Original Color

36.6817, 0.3589, 0.2241



Protanomaly

34.4550, 0.2614, 0.2098



Deuteranomaly

34.9907, 0.3013, 0.2450



Tritanomaly

36.1980, 0.4111, 0.2822

Monochromacy



Original Color

36.6817, 0.3589, 0.2241



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

34.9341, 0.3293, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6817, 0.3589, 0.2241 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, 107, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 215)  
}
```

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, 107, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 215) }
```

Border

The CSS property to change the border of an element to Yxy 36.6817, 0.3589, 0.2241 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, 107, 215) }
```

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

```
.border{ border-color:rgb(255, 107, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6817, 0.3589, 0.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 215) }
```

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

```
.background{ background-color: rgb(255,  
107, 215) }
```

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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