

Converting Colors

$Y_{xy}(36.3829, 0.3658, 0.2295)$

Have a look what the booklet for
Yxy(36.3829, 0.3658, 0.2295)
contains.

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Color

Yxy(36.3788, 0.3656, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	FF6BD1
RGB	255, 107, 209
RGB Percent	100%, 42%, 82%
CMY	0.0000, 0.5803, 0.1805
CMYK	0.00, 0.58, 0.18, 0.00
HSL	319°, 100%, 71%
HSV	319°, 58%, 100%
XYZ	58.0030, 36.3788, 64.2697
YIQ	162.8800, 55.4660, 63.0980

Conversions

Conversions Part 2

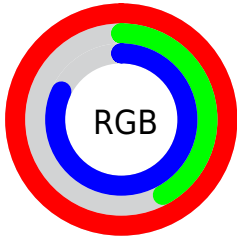
Format	Color
R _Y B	255, 107, 209
Decimal	16739281
CIE Lab	66.81, 67.17, -25.00
CIE LCh	67, 71.673, 339.589
Yxy	36.3788, 0.3656, 0.2293
Android (android.graphics.Color)	4294929361 (0xFFFF6BD1)
YUV	162.8800, 22.7372, 80.7892
Hunter-Lab	60.3148, 66.1072, -20.9573

Details

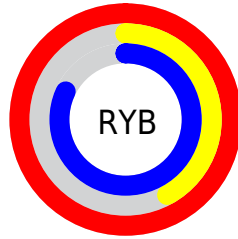
The Yxy color **36.3788, 0.3656, 0.2293** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.9467, 0.2849, 0.4607**, and the grayscale version is **36.4399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **15.8892, 0.3793, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **31.4407, 0.3786, 0.2173**, and if you desaturate by 10%, it is **42.9073, 0.3535, 0.2444**.

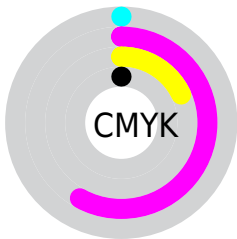
Distribution



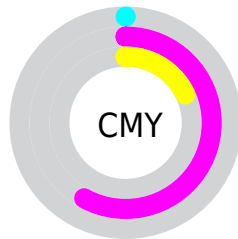
- Red (100%)
- Green (42%)
- Blue (82%)



- Red (100%)
- Yellow (42%)
- Blue (82%)



- Cyan (0%)
- Magenta (58%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3788, 0.3656, 0.2293 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 36.3788, 0.3656, 0.2293 by changing the saturation by 10% instead.

 36.3788, 0.3656,
0.2293


 36.3788, 0.3656,
0.2293


330.6132, 0.3404,
0.2764


 24.7269, 0.3715,
0.2184


 69.6163, 0.3567,
0.2458

 15.8737, 0.3788,
0.2050


 91.9708, 0.3533,
0.2521

 9.4348, 0.3882,
0.1880


 118.6615, 0.3504,
0.2576

 5.0259, 0.4004,
0.1660

150.0729, 0.3478,
0.2624

 2.2625, 0.4170,
0.1367

186.5893, 0.3456,
0.2665

 0.7537, 0.4406,
0.0964

228.5953, 0.3437,

 0.0000, 0.4953,

0.2702

0.0000

276.4751, 0.3419,
0.2735

■ 0.0000, 0.6152,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3788, 0.3656,
0.2293

■ 36.3788, 0.3656,
0.2293

■ 31.4407, 0.3786,
0.2173

■ 42.9073, 0.3535,
0.2444

■ 27.9449, 0.3920,
0.2095


■ 51.1460, 0.3427,
0.2614


■ 25.7251, 0.4055,
0.2066

■ 61.2095, 0.3330,
0.2794

■ 24.5529, 0.4186,
0.2086

■ 73.2008, 0.3247,
0.2976

 24.3820, 0.4211,
0.2094

 87.2153, 0.3176,
0.3153

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



36.3788, 0.2589, 0.1898



36.3788, 0.3656, 0.2293



36.3788, 0.4707, 0.2880

Triad

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



36.3788, 0.3656, 0.2293



36.3788, 0.4294, 0.5004



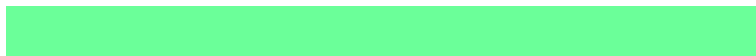
36.3788, 0.1408, 0.2452

Complementary

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



36.3788, 0.3656, 0.2293



76.9467, 0.2849, 0.4607

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.



36.3788, 0.1705, 0.3477



36.3788, 0.3656, 0.2293



36.3788, 0.3350, 0.5316

Square

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



36.3788, 0.3656, 0.2293



36.3788, 0.5006, 0.4299



36.3788, 0.2399, 0.4718



36.3788, 0.1463, 0.1913

Rectangle

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



36.3788, 0.3656, 0.2293



36.3788, 0.5128, 0.3329



36.3788, 0.2399, 0.4718



36.3788, 0.1464, 0.2740

Sweetspot

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



36.3806, 0.3656, 0.2293



74.5540, 0.3239, 0.2995



24.3573, 0.2289, 0.1543



15.3989, 0.3255, 0.2958



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.



36.3806, 0.3656, 0.2293



30.6442, 0.3812, 0.2154



33.5734, 0.4557, 0.3001



18.1985, 0.3186, 0.3128



12.7685, 0.4191, 0.2082



1.2629, 0.4050, 0.2005

Inverse Universe

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



36.3806, 0.3656, 0.2293



30.6442, 0.3812, 0.2154



80.1037, 0.2526, 0.3647



18.1985, 0.3186, 0.3128



12.7685, 0.4191, 0.2082



1.2629, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 36.3788, 0.3656, 0.2293 looks on a white background.

Color Contrast Check

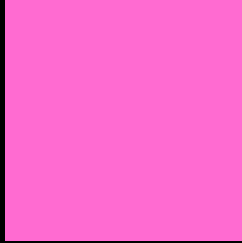
Large Text (above 18pt) WCAG AA × Fail

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 36.3788, 0.3656, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

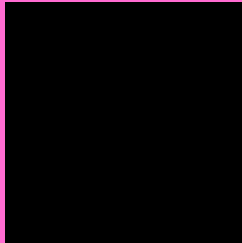
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3788, 0.3656, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 36.3788, 0.3656, 0.2293.



This preview shows how white text looks on a background with the Yxy color 36.3788, 0.3656, 0.2293.

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

36.3788, 0.3656, 0.2293

Protanopia

36.8690, 0.2284, 0.2149

Deuteranopia

36.4869, 0.2789, 0.2718



Tritanopia

36.3449, 0.4432, 0.3199

Trichromacy



Original Color

36.3788, 0.3656, 0.2293



Protanomaly

34.2780, 0.2657, 0.2147



Deuteranomaly

34.7179, 0.3076, 0.2496



Tritanomaly

36.0393, 0.4161, 0.2846

Monochromacy



Original Color

36.3788, 0.3656, 0.2293



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.6760, 0.3313, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3788, 0.3656, 0.2293 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 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, 107, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 209) }
```

Border

The CSS property to change the border of an element to Yxy 36.3788, 0.3656, 0.2293 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, 209) }
```

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

```
.border{ border-color:rgb(255, 107, 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, 107, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3788, 0.3656, 0.2293 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, 209) }
```

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

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