

Converting Colors

$Y_{xy}(37.0306, 0.3561, 0.2228)$

Have a look what the booklet for
Yxy(37.0306, 0.3561, 0.2228)
contains.

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Color

Yxy(36.9949, 0.3566, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	FF6CD9
RGB	255, 108, 217
RGB Percent	100%, 42%, 85%
CMY	0.0000, 0.5765, 0.1489
CMYK	0.00, 0.58, 0.15, 0.00
HSL	315°, 100%, 71%
HSV	315°, 58%, 100%
XYZ	59.1321, 36.9949, 69.6950
YIQ	164.3790, 52.6230, 65.0630

Conversions

Conversions Part 2

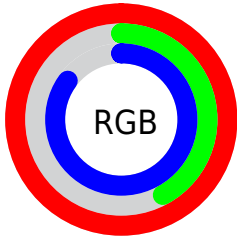
Format	Color
R _Y B	255, 108, 217
Decimal	16739545
CIE _{Lab}	67.27, 67.90, -28.79
CIE _{LCh}	67, 73.754, 337.025
Yxy	36.9949, 0.3566, 0.2231
Android (android.graphics.Color)	4294929625 (0xFFFF6CD9)
YUV	164.3790, 25.9422, 79.4746
Hunter-Lab	60.8234, 67.0955, -25.3615

Details

The Yxy color **36.9949, 0.3566, 0.2231** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.7817, 0.2884, 0.4698**, and the grayscale version is **37.1692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **16.2438, 0.3663, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **32.0451, 0.3670, 0.2101**, and if you desaturate by 10%, it is **43.5320, 0.3468, 0.2392**.

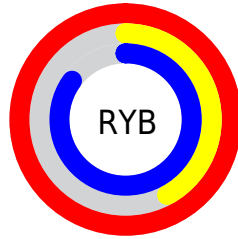
Distribution



Red (100%)

Green (42%)

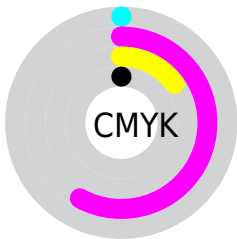
Blue (85%)



Red (100%)

Yellow (42%)

Blue (85%)

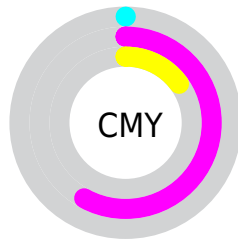


Cyan (0%)

Magenta (58%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9949, 0.3566, 0.2231 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 36.9949, 0.3566, 0.2231 by changing the saturation by 10% instead.


 36.9949, 0.3566,
0.2231


 36.9949, 0.3566,
0.2231


333.2884, 0.3363,
0.2726


 25.2035, 0.3611,
0.2118


 70.5649, 0.3496,
0.2403

 16.2288, 0.3667,
0.1980


 93.1124, 0.3469,
0.2469

 9.6862, 0.3736,
0.1807


 120.0140, 0.3445,
0.2527

 5.1914, 0.3823,
0.1585

151.6542, 0.3425,
0.2577

 2.3600, 0.3934,
0.1294

188.4174, 0.3407,
0.2621

 0.8052, 0.4076,
0.0907

230.6879, 0.3391,

 0.0000, 0.4423,

0.2660

0.0000

278.8501, 0.3376,
0.2695

0.0000, 0.3996,
0.0000

0.0000, 0.0000,
0.0000

36.9949, 0.3566,
0.2231

36.9949, 0.3566,
0.2231

32.0451, 0.3670,
0.2101

43.5320, 0.3468,
0.2392

28.5390, 0.3778,
0.2012

51.7791, 0.3378,
0.2574


26.3102, 0.3884,
0.1971

61.8489, 0.3298,
0.2766

25.1384, 0.3987,
0.1978

73.8442, 0.3228,
0.2960

 24.9406, 0.4011,
0.1983

 87.8598, 0.3167,
0.3150

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.



36.9949, 0.2497, 0.1851



36.9949, 0.3566, 0.2231



36.9949, 0.4666, 0.2813

Triad

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



36.9949, 0.3566, 0.2231



36.9949, 0.4384, 0.4978



36.9949, 0.1388, 0.2500

Complementary

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



36.9949, 0.3566, 0.2231



76.7817, 0.2884, 0.4698

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.



36.9949, 0.1721, 0.3588



36.9949, 0.3566, 0.2231



36.9949, 0.3433, 0.5368

Square

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



36.9949, 0.3566, 0.2231



36.9949, 0.5082, 0.4242



36.9949, 0.2456, 0.4847



36.9949, 0.1417, 0.1916

Rectangle

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



36.9949, 0.3566, 0.2231



36.9949, 0.5136, 0.3263



36.9949, 0.2456, 0.4847



36.9949, 0.1455, 0.2808

Sweetspot

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



36.9956, 0.3566, 0.2231



74.6920, 0.3223, 0.2973



23.9405, 0.2241, 0.1531



15.4316, 0.3237, 0.2934



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.



36.9956, 0.3566, 0.2231



31.4906, 0.3685, 0.2086



34.0204, 0.4447, 0.2927



18.2155, 0.3178, 0.3115



13.0577, 0.3994, 0.1974



1.2892, 0.3885, 0.1914

Inverse Universe

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



36.9956, 0.3566, 0.2231



31.4906, 0.3685, 0.2086



79.7828, 0.2560, 0.3738



18.2155, 0.3178, 0.3115



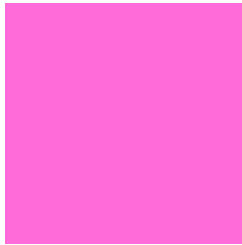
13.0577, 0.3994, 0.1974



1.2892, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 36.9949, 0.3566, 0.2231 looks on a white background.

Color Contrast Check

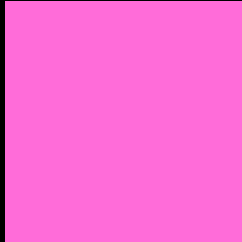
Large Text (above 18pt) WCAG AA × Fail

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 36.9949, 0.3566, 0.2231 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 36.9949, 0.3566, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 36.9949, 0.3566, 0.2231.



This preview shows how white text looks on a background with the Yxy color 36.9949, 0.3566, 0.2231.

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

36.9949, 0.3566, 0.2231

Protanopia

37.4556, 0.2258, 0.2114

Deuteranopia

37.2119, 0.2715, 0.2656



Tritanopia

37.0186, 0.4371, 0.3198

Trichromacy



Original Color

36.9949, 0.3566, 0.2231



Protanomaly

34.8108, 0.2609, 0.2101



Deuteranomaly

35.3866, 0.2995, 0.2441



Tritanomaly

36.7519, 0.4080, 0.2821

Monochromacy



Original Color

36.9949, 0.3566, 0.2231



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.2357, 0.3292, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9949, 0.3566, 0.2231 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, 108, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 217)  
}
```

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, 108, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 217) }
```

Border

The CSS property to change the border of an element to Yxy 36.9949, 0.3566, 0.2231 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, 108, 217) }
```

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

```
.border{ border-color:rgb(255, 108, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9949, 0.3566, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 217) }
```

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

```
.background{ background-color: rgb(255,  
108, 217) }
```

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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