

Converting Colors

$Y_{xy}(77.7491, 0.4806, 0.2712)$

Have a look what the booklet for
Yxy(77.7491, 0.4806, 0.2712)
contains.

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Color

Yxy(37.0523, 0.3598, 0.2265)

Conversions

Conversions Part 1

Format	Color
Hex	FF6DD6
RGB	255, 109, 214
RGB Percent	100%, 43%, 84%
CMY	0.0000, 0.5727, 0.1607
CMYK	0.00, 0.57, 0.16, 0.00
HSL	317°, 100%, 71%
HSV	317°, 57%, 100%
XYZ	58.8584, 37.0523, 67.6757
YIQ	164.6240, 53.3110, 63.6070

Conversions

Conversions Part 2

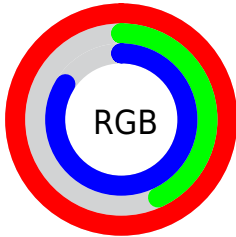
Format	Color
R _Y B	255, 109, 214
Decimal	16739798
CIE Lab	67.32, 67.06, -27.03
CIE LCh	67, 72.302, 338.044
Yxy	37.0523, 0.3598, 0.2265
Android (android.graphics.Color)	4294929878 (0xFFFF6DD6)
YUV	164.6240, 24.3424, 79.2598
Hunter-Lab	60.8706, 66.0756, -23.3089

Details

The Yxy color **37.0523, 0.3598, 0.2265** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.9699, 0.2870, 0.4645**, and the grayscale version is **37.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **16.2192, 0.3709, 0.2017** is the 20% darker color. If you saturate the color by 10%, you get **32.0164, 0.3712, 0.2137**, and if you desaturate by 10%, it is **43.6696, 0.3491, 0.2423**.

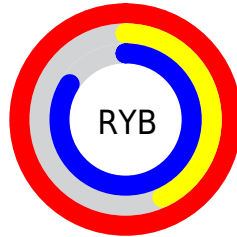
Distribution



Red (100%)

Green (43%)

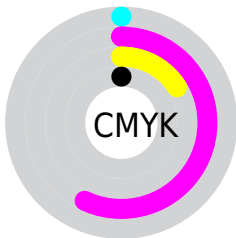
Blue (84%)



Red (100%)

Yellow (43%)

Blue (84%)

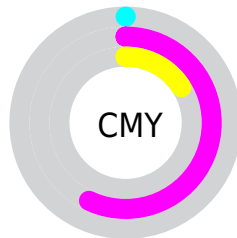


Cyan (0%)

Magenta (57%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (57%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0523, 0.3598, 0.2265 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 37.0523, 0.3598, 0.2265 by changing the saturation by 10% instead.


 37.0523, 0.3598,
0.2265


 37.0523, 0.3598,
0.2265


333.5369, 0.3378,
0.2746


 25.2480, 0.3648,
0.2155


 70.6532, 0.3521,
0.2432

 16.2619, 0.3710,
0.2019


 93.2186, 0.3492,
0.2497

 9.7097, 0.3788,
0.1849


 120.1398, 0.3466,
0.2553

 5.2069, 0.3888,
0.1629

151.8012, 0.3444,
0.2602

 2.3692, 0.4020,
0.1340

188.5873, 0.3424,
0.2644

 0.8100, 0.4197,
0.0950

230.8823, 0.3407,

 0.0000, 0.4629,

0.2682

0.0000

279.0707, 0.3391,
0.2716

0.0000, 0.4558,
0.0000

0.0000, 0.0000,
0.0000

37.0523, 0.3598,
0.2265

37.0523, 0.3598,
0.2265

32.0164, 0.3712,
0.2137

43.6696, 0.3491,
0.2423

28.4390, 0.3831,
0.2050

52.0105, 0.3393,
0.2601

26.1482, 0.3949,
0.2011

62.1807, 0.3307,
0.2788

24.9303, 0.4063,
0.2022

74.2826, 0.3232,
0.2977

■ 24.6967, 0.4095,
0.2029

■ 88.4109, 0.3168,
0.3161

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.



37.0523, 0.2540, 0.1882



37.0523, 0.3598, 0.2265



37.0523, 0.4666, 0.2845

Triad

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



37.0523, 0.3598, 0.2265



37.0523, 0.4341, 0.4976



37.0523, 0.1410, 0.2491

Complementary

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



37.0523, 0.3598, 0.2265



76.9699, 0.2870, 0.4645

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.



37.0523, 0.1728, 0.3542



37.0523, 0.3598, 0.2265



37.0523, 0.3401, 0.5324

Square

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



37.0523, 0.3598, 0.2265



37.0523, 0.5035, 0.4261



37.0523, 0.2442, 0.4776



37.0523, 0.1449, 0.1928

Rectangle

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



37.0523, 0.3598, 0.2265



37.0523, 0.5112, 0.3293



37.0523, 0.2442, 0.4776



37.0523, 0.1473, 0.2787

Sweetspot

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



37.0463, 0.3598, 0.2265



74.6331, 0.3230, 0.2982



24.4382, 0.2266, 0.1551



15.4177, 0.3244, 0.2944



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.



37.0463, 0.3598, 0.2265



31.2967, 0.3732, 0.2119



34.1751, 0.4465, 0.2953



18.2083, 0.3181, 0.3121



12.9314, 0.4076, 0.2019



1.2778, 0.3954, 0.1952

Inverse Universe

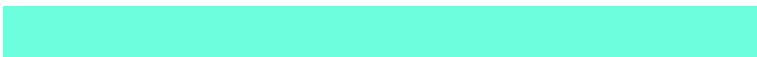
The Inverse Universe completely reimagines the original color for something new.



37.0463, 0.3598, 0.2265



31.2967, 0.3732, 0.2119



79.9858, 0.2551, 0.3703



18.2083, 0.3181, 0.3121



12.9314, 0.4076, 0.2019



1.2778, 0.3954, 0.1952

Previews

White Background



This preview shows how the Yxy color 37.0523, 0.3598, 0.2265 looks on a white background.

Color Contrast Check

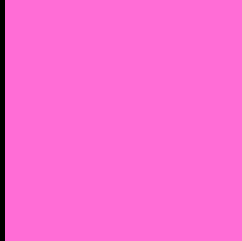
Large Text (above 18pt) WCAG AA × Fail

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 37.0523, 0.3598, 0.2265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

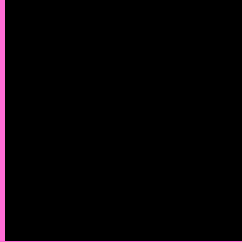
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0523, 0.3598, 0.2265

Background



This preview shows how black text looks on a background with the Yxy color 37.0523, 0.3598, 0.2265.

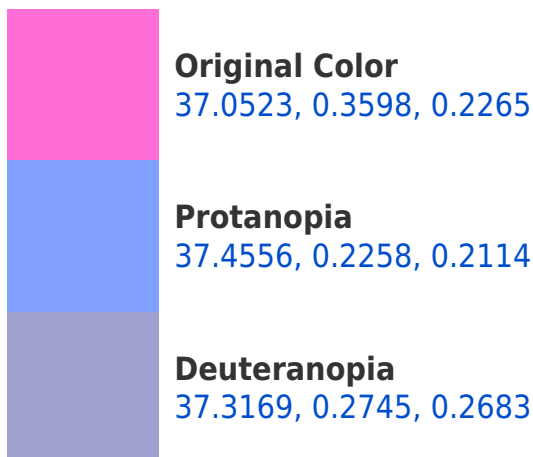


This preview shows how white text looks on a background with the Yxy color 37.0523, 0.3598, 0.2265.

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





Tritanopia

37.0186, 0.4371, 0.3198

Trichromacy



Original Color

37.0523, 0.3598, 0.2265



Protanomaly

34.7512, 0.2616, 0.2110



Deuteranomaly

35.4188, 0.3022, 0.2464



Tritanomaly

36.7154, 0.4092, 0.2832

Monochromacy



Original Color

37.0523, 0.3598, 0.2265



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.6755, 0.3301, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0523, 0.3598, 0.2265 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, 109, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 214)  
}
```

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, 109, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 214) }
```

Border

The CSS property to change the border of an element to Yxy 37.0523, 0.3598, 0.2265 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, 109, 214) }
```

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

```
.border{ border-color:rgb(255, 109, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0523, 0.3598, 0.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 214) }
```

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

```
.background{ background-color: rgb(255,  
109, 214) }
```

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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