

Converting Colors

$Y_{xy}(40.5804, 0.3618, 0.2438)$

Have a look what the booklet for
Yxy(40.5804, 0.3618, 0.2438)
contains.

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Color

Yxy(40.5804, 0.3618, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DD2
RGB	255, 125, 210
RGB Percent	100%, 49%, 82%
CMY	0.0000, 0.5099, 0.1764
CMYK	0.00, 0.51, 0.18, 0.00
HSL	321°, 100%, 75%
HSV	321°, 51%, 100%
XYZ	60.2214, 40.5804, 65.6477
YIQ	173.5600, 50.1950, 53.9950

Conversions

Conversions Part 2

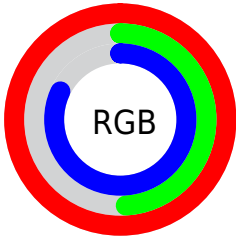
Format	Color
RYB	255, 125, 210
Decimal	16743890
CIELab	69.88, 59.27, -20.89
CIELCh	70, 62.842, 340.585
Yxy	40.5804, 0.3618, 0.2438
Android (android.graphics.Color)	4294933970 (0xFFFF7DD2)
YUV	173.5600, 17.9649, 71.4229
Hunter-Lab	63.7027, 57.2653, -16.5083

Details

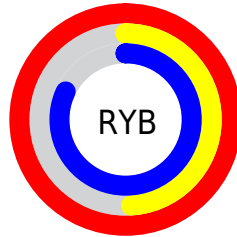
The Yxy color **40.5804, 0.3618, 0.2438** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.7777, 0.2847, 0.4359**, and the grayscale version is **41.9678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **18.3586, 0.3753, 0.2236** is the 20% darker color. If you saturate the color by 10%, you get **34.4993, 0.3757, 0.2302**, and if you desaturate by 10%, it is **48.3287, 0.3491, 0.2597**.

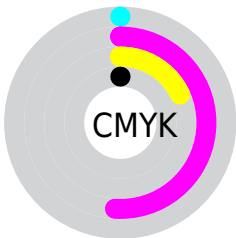
Distribution



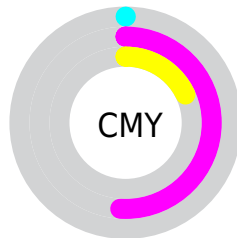
- Red (100%)
- Green (49%)
- Blue (82%)



- Red (100%)
- Yellow (49%)
- Blue (82%)



- Cyan (0%)
- Magenta (51%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5804, 0.3618, 0.2438 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 40.5804, 0.3618, 0.2438 by changing the saturation by 10% instead.


 40.5804, 0.3618,
0.2438


 40.5804, 0.3618,
0.2438


348.5638, 0.3383,
0.2840

 27.9914, 0.3673,
0.2345


 76.0465, 0.3535,
0.2579

 18.3191, 0.3742,
0.2230


 99.6924, 0.3503,
0.2633

 11.1794, 0.3831,
0.2083


 127.7927, 0.3476,
0.2680

 6.1876, 0.3948,
0.1892

160.7317, 0.3453,
0.2720

 2.9595, 0.4109,
0.1634

198.8940, 0.3432,
0.2756

 1.1106, 0.4343,
0.1273

242.6638, 0.3414,

 0.0000, 0.5086,

0.2787

0.0000

292.4256, 0.3398,
0.2815

■ 0.0000, 0.6135,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5804, 0.3618,
0.2438

■ 40.5804, 0.3618,
0.2438

■ 34.4993, 0.3757,
0.2302

■ 48.3287, 0.3491,
0.2597

■ 29.9762, 0.3907,
0.2199

■ 57.8810, 0.3380,
0.2767

■ 26.8549, 0.4061,
0.2142

■ 69.3362, 0.3284,
0.2940

■ 24.9567, 0.4215,
0.2136

■ 82.7918, 0.3202,
0.3111

■ 24.0427, 0.4350,
0.2170

■ 98.3388, 0.3133,
0.3274

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.



40.5804, 0.2701, 0.2075



40.5804, 0.3618, 0.2438



40.5804, 0.4490, 0.2973

Triad

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



40.5804, 0.3618, 0.2438



40.5804, 0.4156, 0.4808



40.5804, 0.1615, 0.2570

Complementary

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



40.5804, 0.3618, 0.2438



78.7777, 0.2847, 0.4359

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.



40.5804, 0.1887, 0.3432



40.5804, 0.3618, 0.2438



40.5804, 0.3332, 0.4980

Square

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



40.5804, 0.3618, 0.2438



40.5804, 0.4758, 0.4245



40.5804, 0.2499, 0.4438



40.5804, 0.1668, 0.2089

Rectangle

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



40.5804, 0.3618, 0.2438



40.5804, 0.4841, 0.3383



40.5804, 0.2499, 0.4438



40.5804, 0.1667, 0.2818

Sweetspot

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



40.5735, 0.3618, 0.2438



77.1539, 0.3234, 0.3043



30.2382, 0.2446, 0.1778



15.9077, 0.3251, 0.3007



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.



40.5735, 0.3618, 0.2438



34.4956, 0.3757, 0.2302



38.0144, 0.4347, 0.3071



18.1874, 0.3191, 0.3136



12.5921, 0.4326, 0.2157



1.2467, 0.4165, 0.2068

Inverse Universe

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



40.5735, 0.3618, 0.2438



34.4956, 0.3757, 0.2302



81.7795, 0.2555, 0.3544



18.1874, 0.3191, 0.3136



12.5921, 0.4326, 0.2157



1.2467, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 40.5804, 0.3618, 0.2438 looks on a white background.

Color Contrast Check

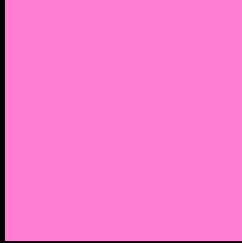
Large Text (above 18pt) WCAG AA × Fail

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 40.5804, 0.3618, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

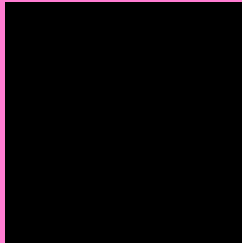
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5804, 0.3618, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 40.5804, 0.3618, 0.2438.



This preview shows how white text looks on a background with the Yxy color 40.5804, 0.3618, 0.2438.

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

40.5804, 0.3618, 0.2438

Protanopia

41.0826, 0.2450, 0.2372

Deuteranopia

40.7199, 0.2880, 0.2818



Tritanopia

40.4548, 0.4214, 0.3186

Trichromacy



Original Color

40.5804, 0.3618, 0.2438



Protanomaly

39.0604, 0.2795, 0.2364



Deuteranomaly

39.4693, 0.3120, 0.2636



Tritanomaly

40.2246, 0.3991, 0.2892

Monochromacy



Original Color

40.5804, 0.3618, 0.2438



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.0613, 0.3299, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5804, 0.3618, 0.2438 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, 125, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 210)  
}
```

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, 125, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 210) }
```

Border

The CSS property to change the border of an element to Yxy 40.5804, 0.3618, 0.2438 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, 125, 210) }
```

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

```
.border{ border-color:rgb(255, 125, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5804, 0.3618, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 210) }
```

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

```
.background{ background-color: rgb(255,  
125, 210) }
```

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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