

Converting Colors

$Y_{xy}(42.5925, 0.4208, 0.2637)$

Have a look what the booklet for
Yxy(42.5925, 0.4208, 0.2637)
contains.

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Color

Yxy(36.3935, 0.3914, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	FF70BA
RGB	255, 112, 186
RGB Percent	100%, 44%, 73%
CMY	0.0000, 0.5608, 0.2706
CMYK	0.00, 0.56, 0.27, 0.00
HSL	329°, 100%, 72%
HSV	329°, 56%, 100%
XYZ	55.9043, 36.3935, 50.5338
YIQ	163.1930, 61.4740, 53.3300

Conversions

Conversions Part 2

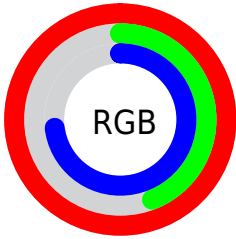
Format	Color
R_{YB}	255, 112, 186
Decimal	16740538
CIE _{Lab}	66.82, 61.95, -12.06
CIE _{LCh}	67, 63.109, 348.988
Yxy	36.3935, 0.3914, 0.2548
Android (android.graphics.Color)	4294930618 (0xFFFF70BA)
YUV	163.1930, 11.2439, 80.5147
Hunter-Lab	60.3270, 59.8414, -7.4362

Details

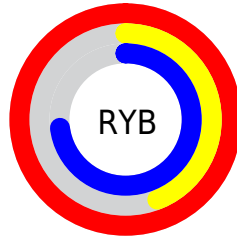
The Yxy color **36.3935, 0.3914, 0.2548** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.2993, 0.2742, 0.4227**, and the grayscale version is **36.6410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0467, 0.3269, 0.2564**, and **15.9339, 0.4140, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **31.0377, 0.4132, 0.2456**, and if you desaturate by 10%, it is **43.3809, 0.3718, 0.2667**.

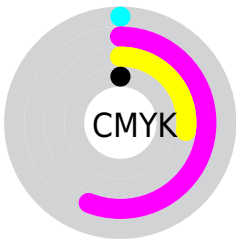
Distribution



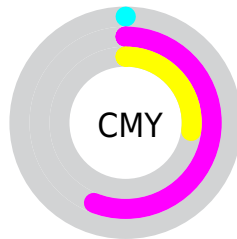
- Red (100%)
- Green (44%)
- Blue (73%)



- Red (100%)
- Yellow (44%)
- Blue (73%)



- Cyan (0%)
- Magenta (56%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3935, 0.3914, 0.2548 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 36.3935, 0.3914, 0.2548 by changing the saturation by 10% instead.


 36.3935, 0.3914,
0.2548


 36.3935, 0.3914,
0.2548


330.6772, 0.3517,
0.2912


 24.7383, 0.4014,
0.2460


 69.6390, 0.3769,
0.2678

 15.8822, 0.4142,
0.2349

 91.9980, 0.3715,
0.2728

 9.4408, 0.4312,
0.2204

 118.6938, 0.3669,
0.2770

 5.0298, 0.4549,
0.2009

150.1107, 0.3630,
0.2806

 2.2648, 0.4898,
0.1733

186.6330, 0.3596,
0.2838

 0.7550, 0.5461,
0.1316

228.6453, 0.3566,

 0.0000, 0.7271,

0.2865

0.0000

276.5319, 0.3540,
0.2890

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.3935, 0.3914,
0.2548

■ 36.3935, 0.3914,
0.2548

■ 31.0377, 0.4132,
0.2456

■ 43.3809, 0.3718,
0.2667

■ 27.1832, 0.4365,
0.2403

■ 52.1327, 0.3548,
0.2801

■ 24.6638, 0.4605,
0.2402

■ 62.7570, 0.3403,
0.2940

■ 23.2770, 0.4837,
0.2456

■ 75.3562, 0.3281,
0.3079

■ 22.9253, 0.4925,
0.2487

■ 90.0248, 0.3180,
0.3212

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.



36.3935, 0.2931, 0.2118



36.3935, 0.3914, 0.2548



36.3935, 0.4731, 0.3130

Triad

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



36.3935, 0.3914, 0.2548



36.3935, 0.3958, 0.4974



36.3935, 0.1549, 0.2359

Complementary

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



36.3935, 0.3914, 0.2548



78.2993, 0.2742, 0.4227

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.



36.3935, 0.1727, 0.3146



36.3935, 0.3914, 0.2548



36.3935, 0.3080, 0.4979

Square

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



36.3935, 0.3914, 0.2548



36.3935, 0.4672, 0.4449



36.3935, 0.2262, 0.4215



36.3935, 0.1692, 0.1974

Rectangle

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



36.3935, 0.3914, 0.2548



36.3935, 0.4980, 0.3561



36.3935, 0.2262, 0.4215



36.3935, 0.1571, 0.2575

Sweetspot

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



36.3904, 0.3914, 0.2548



74.1176, 0.3292, 0.3067



28.3561, 0.2513, 0.1682



15.2956, 0.3315, 0.3039



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.



36.3904, 0.3914, 0.2548



30.6246, 0.4152, 0.2449



34.1236, 0.4782, 0.3248



18.1441, 0.3213, 0.3168



12.0093, 0.4890, 0.2467



1.1914, 0.4645, 0.2333

Inverse Universe

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



36.3904, 0.3914, 0.2548



30.6246, 0.4152, 0.2449



81.8805, 0.2439, 0.3343



18.1441, 0.3213, 0.3168



12.0093, 0.4890, 0.2467



1.1914, 0.4645, 0.2333

Previews

White Background



This preview shows how the Yxy color 36.3935, 0.3914, 0.2548 looks on a white background.

Color Contrast Check

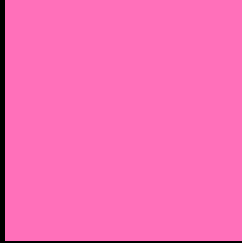
Large Text (above 18pt) WCAG AA × Fail

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 36.3935, 0.3914, 0.2548 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 36.3935, 0.3914, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 36.3935, 0.3914, 0.2548.



This preview shows how white text looks on a background with the Yxy color 36.3935, 0.3914, 0.2548.

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

36.3935, 0.3914, 0.2548

Protanopia

36.7680, 0.2550, 0.2499

Deuteranopia

36.3663, 0.3065, 0.3000



Tritanopia

36.4052, 0.4480, 0.3211

Trichromacy



Original Color

36.3935, 0.3914, 0.2548



Protanomaly

34.6381, 0.2956, 0.2469



Deuteranomaly

34.9837, 0.3357, 0.2775



Tritanomaly

36.3954, 0.4275, 0.2962

Monochromacy



Original Color

36.3935, 0.3914, 0.2548



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.6226, 0.3403, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3935, 0.3914, 0.2548 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, 112, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 186)  
}
```

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, 112, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 186) }
```

Border

The CSS property to change the border of an element to Yxy 36.3935, 0.3914, 0.2548 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, 112, 186) }
```

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

```
.border{ border-color:rgb(255, 112, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3935, 0.3914, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 186) }
```

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

```
.background{ background-color: rgb(255,  
112, 186) }
```

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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