

Converting Colors

$Y_{xy}(49.8872, 0.3865, 0.2509)$

Have a look what the booklet for
Yxy(49.8872, 0.3865, 0.2509)
contains.

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Color

Yxy(42.0225, 0.3529, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	FF81DA
RGB	255, 129, 218
RGB Percent	100%, 51%, 85%
CMY	0.0001, 0.4940, 0.1451
CMYK	0.00, 0.49, 0.15, 0.00
HSL	318°, 100%, 75%
HSV	318°, 49%, 100%
XYZ	61.7391, 42.0225, 71.1863
YIQ	176.8200, 46.5270, 54.3910

Conversions

Conversions Part 2

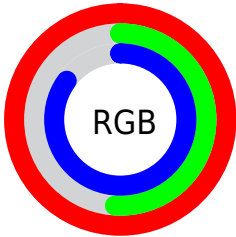
Format	Color
R _Y B	255, 129, 218
Decimal	16744922
CIE _{Lab}	70.89, 58.51, -23.78
CIE _{LCh}	71, 63.160, 337.883
Y _{xy}	42.0225, 0.3529, 0.2402
Android (android.graphics.Color)	4294935002 (0xFFFF81DA)
YUV	176.8200, 20.3017, 68.5639
Hunter-Lab	64.8248, 56.5601, -19.7311

Details

The Yxy color **42.0225, 0.3529, 0.2402** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.9288, 0.2885, 0.4404**, and the grayscale version is **43.7435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **19.1452, 0.3626, 0.2186** is the 20% darker color. If you saturate the color by 10%, you get **35.7401, 0.3643, 0.2252**, and if you desaturate by 10%, it is **50.0023, 0.3425, 0.2574**.

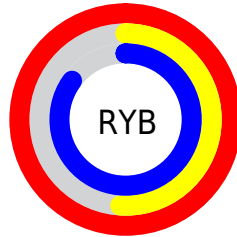
Distribution



Red (100%)

Green (51%)

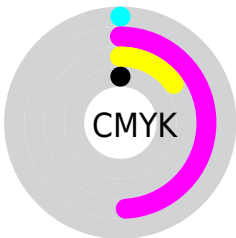
Blue (85%)



Red (100%)

Yellow (51%)

Blue (85%)

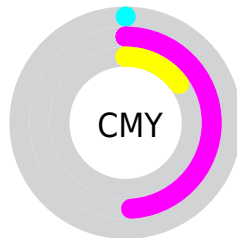


Cyan (0%)

Magenta (49%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0225, 0.3529, 0.2402 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 42.0225, 0.3529, 0.2402 by changing the saturation by 10% instead.


 42.0225, 0.3529,
0.2402


 42.0225, 0.3529,
0.2402

354.5762, 0.3342,
0.2817


 29.1189, 0.3572,
0.2307


 78.2337, 0.3464,
0.2546

 19.1708, 0.3624,
0.2190


 102.3101, 0.3439,
0.2602

 11.7938, 0.3690,
0.2043

 130.8795, 0.3417,
0.2650

 6.6034, 0.3776,
0.1852

164.3264, 0.3398,
0.2692

 3.2153, 0.3889,
0.1598

203.0351, 0.3381,
0.2729

 1.2452, 0.4044,
0.1248

247.3900, 0.3367,

 0.0981, 0.4490,

0.2762

0.0256

297.7756, 0.3354,
0.2791

■ 0.0000, 0.4543,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0225, 0.3529,
0.2402

■ 42.0225, 0.3529,
0.2402

■ 35.7401, 0.3643,
0.2252

■ 50.0023, 0.3425,
0.2574

■ 31.0218, 0.3765,
0.2134

■ 59.7876, 0.3332,
0.2757

■ 27.7242, 0.3891,
0.2059

■ 71.4847, 0.3252,
0.2943

■ 25.6746, 0.4016,
0.2033

■ 85.1897, 0.3183,
0.3125

■ 24.6079, 0.4136,
0.2054

99.9960, 0.3127,
0.3290

■ 24.5562, 0.4144,
0.2056

Harmonies

Analogous

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



42.0225, 0.2631, 0.2060



42.0225, 0.3529, 0.2402



42.0225, 0.4416, 0.2923

Triad

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



42.0225, 0.3529, 0.2402



42.0225, 0.4217, 0.4759



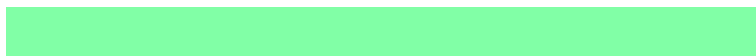
42.0225, 0.1633, 0.2637

Complementary

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



42.0225, 0.3529, 0.2402



78.9288, 0.2885, 0.4404

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.



42.0225, 0.1935, 0.3523



42.0225, 0.3529, 0.2402



42.0225, 0.3410, 0.4980

Square

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



42.0225, 0.3529, 0.2402



42.0225, 0.4784, 0.4185



42.0225, 0.2573, 0.4506



42.0225, 0.1658, 0.2124

Rectangle

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



42.0225, 0.3529, 0.2402



42.0225, 0.4798, 0.3327



42.0225, 0.2573, 0.4506



42.0225, 0.1696, 0.2895

Sweetspot

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



42.0245, 0.3529, 0.2402



77.2746, 0.3220, 0.3024



30.8935, 0.2424, 0.1811



15.9369, 0.3235, 0.2985



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.



42.0245, 0.3529, 0.2402



35.9663, 0.3639, 0.2257



39.3735, 0.4214, 0.3011



18.2041, 0.3183, 0.3124



12.8609, 0.4125, 0.2046



1.2713, 0.3995, 0.1974

Inverse Universe

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



42.0245, 0.3529, 0.2402



35.9663, 0.3639, 0.2257



81.7597, 0.2596, 0.3612



18.2041, 0.3183, 0.3124



12.8609, 0.4125, 0.2046



1.2713, 0.3995, 0.1974

Previews

White Background



This preview shows how the Yxy color 42.0225, 0.3529, 0.2402 looks on a white background.

Color Contrast Check

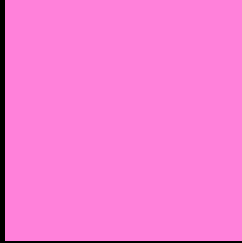
Large Text (above 18pt) WCAG AA × Fail

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 42.0225, 0.3529, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

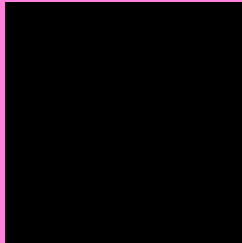
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0225, 0.3529, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 42.0225, 0.3529, 0.2402.



This preview shows how white text looks on a background with the Yxy color 42.0225, 0.3529, 0.2402.

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

42.0225, 0.3529, 0.2402

Protanopia

42.3549, 0.2422, 0.2329

Deuteranopia

42.2233, 0.2822, 0.2762



Tritanopia

41.9345, 0.4116, 0.3174

Trichromacy



Original Color

42.0225, 0.3529, 0.2402



Protanomaly

40.6413, 0.2748, 0.2324



Deuteranomaly

40.8543, 0.3051, 0.2585



Tritanomaly

41.8605, 0.3908, 0.2880

Monochromacy



Original Color

42.0225, 0.3529, 0.2402



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.9265, 0.3267, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0225, 0.3529, 0.2402 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, 129, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 218)  
}
```

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, 129, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 218) }
```

Border

The CSS property to change the border of an element to Yxy 42.0225, 0.3529, 0.2402 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, 129, 218) }
```

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

```
.border{ border-color:rgb(255, 129, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 129, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0225, 0.3529, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 218) }
```

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

```
.background{ background-color: rgb(255,  
129, 218) }
```

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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