

Converting Colors

$Y_{xy}(42.3951, 0.3447, 0.2326)$

Have a look what the booklet for
Yxy(42.3951, 0.3447, 0.2326)
contains.

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Color

Yxy(42.4515, 0.3450, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	FF81E2
RGB	255, 129, 226
RGB Percent	100%, 51%, 89%
CMY	0.0000, 0.4942, 0.1137
CMYK	0.00, 0.49, 0.11, 0.00
HSL	314°, 100%, 75%
HSV	314°, 49%, 100%
XYZ	62.8304, 42.4515, 76.8352
YIQ	177.7320, 43.9590, 56.8790

Conversions

Conversions Part 2

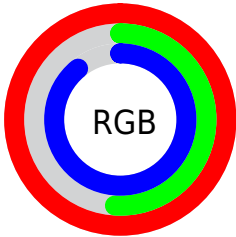
Format	Color
R_{YB}	255, 129, 226
Decimal	16744930
CIE _{Lab}	71.18, 59.78, -27.75
CIE _{LCh}	71, 65.904, 335.101
Yxy	42.4515, 0.3450, 0.2331
Android (android.graphics.Color)	4294935010 (0xFFFF81E2)
YUV	177.7320, 23.7961, 67.7640
Hunter-Lab	65.1548, 58.1111, -24.3106

Details

The Yxy color **42.4515, 0.3450, 0.2331** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.6527, 0.2922, 0.4508**, and the grayscale version is **44.2172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **19.4031, 0.3527, 0.2112** is the 20% darker color. If you saturate the color by 10%, you get **36.2294, 0.3538, 0.2170**, and if you desaturate by 10%, it is **50.3466, 0.3368, 0.2515**.

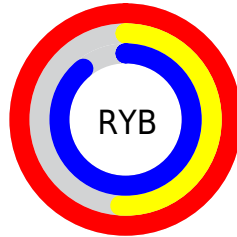
Distribution



Red (100%)

Green (51%)

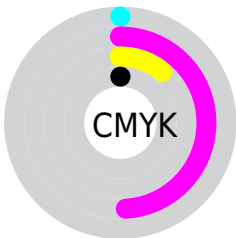
Blue (89%)



Red (100%)

Yellow (51%)

Blue (89%)

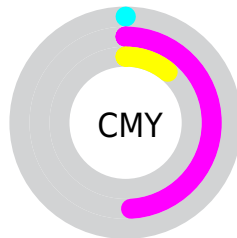


Cyan (0%)

Magenta (49%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4515, 0.3450, 0.2331 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 42.4515, 0.3450, 0.2331 by changing the saturation by 10% instead.

 42.4515, 0.3450,
0.2331


 42.4515, 0.3450,
0.2331


356.3512, 0.3305,
0.2774


 29.4550, 0.3481,
0.2231


 78.8825, 0.3401,
0.2484

 19.4253, 0.3519,
0.2109


 103.0858, 0.3382,
0.2544

 11.9780, 0.3565,
0.1955


 131.7934, 0.3365,
0.2595

 6.7287, 0.3622,
0.1759

165.3899, 0.3350,
0.2640

 3.2930, 0.3692,
0.1501

204.2594, 0.3337,
0.2680

 1.2866, 0.3777,
0.1154

248.7866, 0.3325,

 0.1308, 0.4030,

0.2715

0.0289

299.3557, 0.3315,
0.2746

■ 0.0000, 0.3773,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4515, 0.3450,
0.2331

■ 42.4515, 0.3450,
0.2331

■ 36.2294, 0.3538,
0.2170

■ 50.3466, 0.3368,
0.2515

■ 31.5737, 0.3630,
0.2042

■ 60.0494, 0.3294,
0.2712

■ 28.3323, 0.3724,
0.1956

■ 71.6571, 0.3229,
0.2913

■ 26.3322, 0.3815,
0.1919

■ 85.2659, 0.3173,
0.3110

■ 25.3079, 0.3904,
0.1926

100.0000, 0.3127,
0.3290

■ 25.2604, 0.3909,
0.1927

Harmonies

Analogous

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



42.4515, 0.2536, 0.2000



42.4515, 0.3450, 0.2331



42.4515, 0.4393, 0.2851

Triad

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



42.4515, 0.3450, 0.2331



42.4515, 0.4315, 0.4759



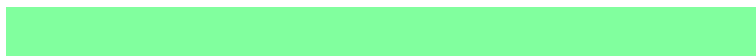
42.4515, 0.1599, 0.2678

Complementary

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



42.4515, 0.3450, 0.2331



78.6527, 0.2922, 0.4508

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.



42.4515, 0.1939, 0.3629



42.4515, 0.3450, 0.2331



42.4515, 0.3493, 0.5055

Square

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



42.4515, 0.3450, 0.2331



42.4515, 0.4874, 0.4141



42.4515, 0.2622, 0.4639



42.4515, 0.1597, 0.2115

Rectangle

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



42.4515, 0.3450, 0.2331



42.4515, 0.4824, 0.3261



42.4515, 0.2622, 0.4639



42.4515, 0.1673, 0.2957

Sweetspot

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



42.4446, 0.3450, 0.2331



77.4230, 0.3203, 0.3001



30.0093, 0.2361, 0.1786



15.9728, 0.3216, 0.2959



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.



42.4446, 0.3450, 0.2331



36.4593, 0.3534, 0.2176



39.6585, 0.4117, 0.2923



18.2246, 0.3173, 0.3109



13.2231, 0.3895, 0.1919



1.3041, 0.3800, 0.1867

Inverse Universe

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



42.4446, 0.3450, 0.2331



36.4593, 0.3534, 0.2176



81.3149, 0.2634, 0.3716



18.2246, 0.3173, 0.3109



13.2231, 0.3895, 0.1919



1.3041, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 42.4515, 0.3450, 0.2331 looks on a white background.

Color Contrast Check

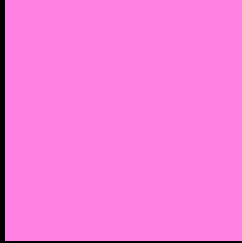
Large Text (above 18pt) WCAG AA × Fail

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 42.4515, 0.3450, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

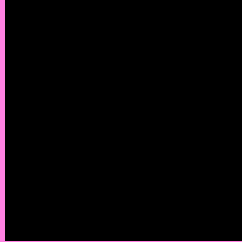
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4515, 0.3450, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 42.4515, 0.3450, 0.2331.



This preview shows how white text looks on a background with the Yxy color 42.4515, 0.3450, 0.2331.

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

42.4515, 0.3450, 0.2331

Protanopia

42.9281, 0.2381, 0.2280

Deuteranopia

42.6753, 0.2743, 0.2678



Tritanopia

42.3915, 0.4087, 0.3185

Trichromacy



Original Color

42.4515, 0.3450, 0.2331



Protanomaly

40.7477, 0.2691, 0.2262



Deuteranomaly

41.3302, 0.2968, 0.2509



Tritanomaly

42.1254, 0.3852, 0.2847

Monochromacy



Original Color

42.4515, 0.3450, 0.2331



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.2036, 0.3249, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4515, 0.3450, 0.2331 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.4515, 0.3450, 0.2331 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, 226) }
```

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

```
.border{ border-color:rgb(255, 129, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4515, 0.3450, 0.2331 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
129, 226) }
```

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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