

Converting Colors

$Yxy(43.5807, 0.3417, 0.2337)$

Have a look what the booklet for
Yxy(43.5807, 0.3417, 0.2337)
contains.

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Color

Yxy(43.6922, 0.3416, 0.2341)

Conversions

Conversions Part 1

Format	Color
Hex	FF85E5
RGB	255, 133, 229
RGB Percent	100%, 52%, 90%
CMY	0.0002, 0.4783, 0.1020
CMYK	0.00, 0.48, 0.10, 0.00
HSL	313°, 100%, 76%
HSV	313°, 48%, 100%
XYZ	63.7559, 43.6922, 79.1909
YIQ	180.4220, 41.8960, 55.7200

Conversions

Conversions Part 2

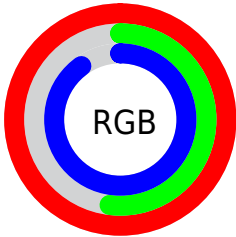
Format	Color
R _Y B	255, 133, 229
Decimal	16745957
CIE Lab	72.02, 58.28, -28.10
CIE LCh	72, 64.700, 334.261
Yxy	43.6922, 0.3416, 0.2341
Android (android.graphics.Color)	4294936037 (0xFFFF85E5)
YUV	180.4220, 23.9490, 65.4049
Hunter-Lab	66.1001, 56.4945, -24.7621

Details

The Yxy color **43.6922, 0.3416, 0.2341** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.9843, 0.2937, 0.4488**, and the grayscale version is **45.7369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **20.2017, 0.3480, 0.2128** is the 20% darker color. If you saturate the color by 10%, you get **37.2388, 0.3497, 0.2173**, and if you desaturate by 10%, it is **51.8533, 0.3341, 0.2531**.

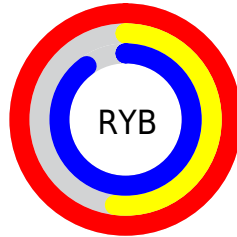
Distribution



Red (100%)

Green (52%)

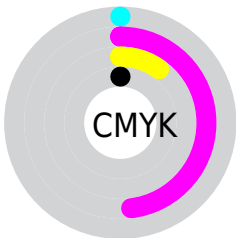
Blue (90%)



Red (100%)

Yellow (52%)

Blue (90%)

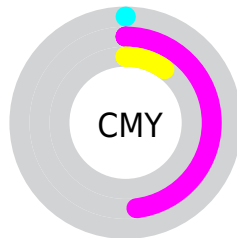


Cyan (0%)

Magenta (48%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6922, 0.3416, 0.2341 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 43.6922, 0.3416, 0.2341 by changing the saturation by 10% instead.


 43.6922, 0.3416,
0.2341


 43.6922, 0.3416,
0.2341


361.4507, 0.3289,
0.2778


 30.4286, 0.3443,
0.2243


 80.7544, 0.3373,
0.2492

 20.1641, 0.3475,
0.2123


 105.3217, 0.3356,
0.2550

 12.5144, 0.3514,
0.1972

 134.4258, 0.3341,
0.2601

 7.0950, 0.3562,
0.1780

168.4510, 0.3328,
0.2646

 3.5216, 0.3619,
0.1528

207.7817, 0.3317,
0.2685

 1.4097, 0.3685,
0.1190

252.8023, 0.3306,

 0.2239, 0.3857,

0.2719

0.0452

303.8972, 0.3297,
0.2750

0.0000, 0.3676,
0.0000

0.0000, 0.0000,
0.0000

43.6922, 0.3416,
0.2341

43.6922, 0.3416,
0.2341

37.2388, 0.3497,
0.2173

51.8533, 0.3341,
0.2531

32.3621, 0.3581,
0.2036

61.8282, 0.3274,
0.2733

28.9224, 0.3667,
0.1941

73.7215, 0.3214,
0.2937

26.7523, 0.3751,
0.1893

87.6282, 0.3163,
0.3138

■ 25.6284, 0.3831,
0.1891

99.9913, 0.3127,
0.3290

■ 25.4517, 0.3848,
0.1894

Harmonies

Analogous

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



43.6922, 0.2531, 0.2023



43.6922, 0.3416, 0.2341



43.6922, 0.4336, 0.2848

Triad

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



43.6922, 0.3416, 0.2341



43.6922, 0.4312, 0.4713



43.6922, 0.1638, 0.2718

Complementary

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



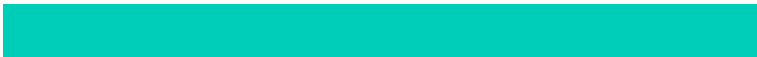
43.6922, 0.3416, 0.2341



78.9843, 0.2937, 0.4488

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.



43.6922, 0.1984, 0.3651



43.6922, 0.3416, 0.2341



43.6922, 0.3514, 0.5005

Square

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



43.6922, 0.3416, 0.2341



43.6922, 0.4842, 0.4112



43.6922, 0.2661, 0.4618



43.6922, 0.1626, 0.2155

Rectangle

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



43.6922, 0.3416, 0.2341



43.6922, 0.4765, 0.3250



43.6922, 0.2661, 0.4618



43.6922, 0.1714, 0.2994

Sweetspot

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



43.6942, 0.3416, 0.2341



78.8196, 0.3194, 0.3015



31.2145, 0.2376, 0.1835



16.2497, 0.3205, 0.2971



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.



43.6942, 0.3416, 0.2341



37.7204, 0.3490, 0.2185



40.9256, 0.4045, 0.2913



18.2302, 0.3171, 0.3105



13.3274, 0.3836, 0.1887



1.3134, 0.3750, 0.1839

Inverse Universe

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



43.6942, 0.3416, 0.2341



37.7204, 0.3490, 0.2185



81.5626, 0.2655, 0.3725



18.2302, 0.3171, 0.3105



13.3274, 0.3836, 0.1887



1.3134, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 43.6922, 0.3416, 0.2341 looks on a white background.

Color Contrast Check

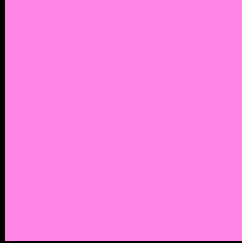
Large Text (above 18pt) WCAG AA × Fail

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 43.6922, 0.3416, 0.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

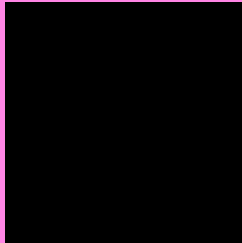
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6922, 0.3416, 0.2341

Background



This preview shows how black text looks on a background with the Yxy color 43.6922, 0.3416, 0.2341.

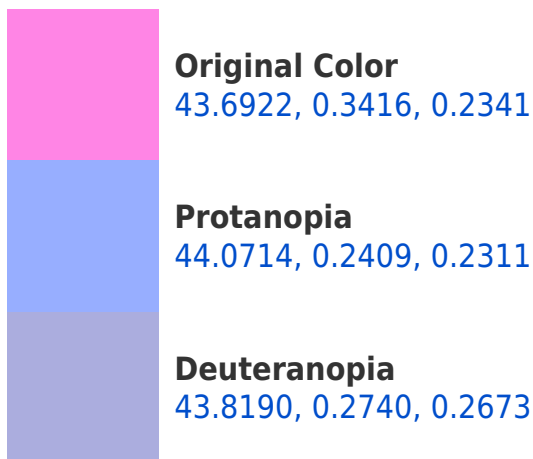


This preview shows how white text looks on a background with the Yxy color 43.6922, 0.3416, 0.2341.

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

43.4572, 0.4031, 0.3173

Trichromacy



Original Color

43.6922, 0.3416, 0.2341



Protanomaly

42.2689, 0.2704, 0.2285



Deuteranomaly

42.4465, 0.2962, 0.2506



Tritanomaly

43.4296, 0.3809, 0.2857

Monochromacy



Original Color

43.6922, 0.3416, 0.2341



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.5370, 0.3229, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6922, 0.3416, 0.2341 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, 133, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 229)  
}
```

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, 133, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 229) }
```

Border

The CSS property to change the border of an element to Yxy 43.6922, 0.3416, 0.2341 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, 133, 229) }
```

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

```
.border{ border-color:rgb(255, 133, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6922, 0.3416, 0.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 229) }
```

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

```
.background{ background-color: rgb(255,  
133, 229) }
```

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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