

Converting Colors

$Yxy(44.4348, 0.3389, 0.2337)$

Have a look what the booklet for
Yxy(44.4348, 0.3389, 0.2337)
contains.

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Color

Yxy(44.4141, 0.3386, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	FF87E8
RGB	255, 135, 232
RGB Percent	100%, 53%, 91%
CMY	0.0001, 0.4705, 0.0903
CMYK	0.00, 0.47, 0.09, 0.00
HSL	312°, 100%, 76%
HSV	312°, 47%, 100%
XYZ	64.4604, 44.4141, 81.4988
YIQ	181.9380, 40.3830, 55.6070

Conversions

Conversions Part 2

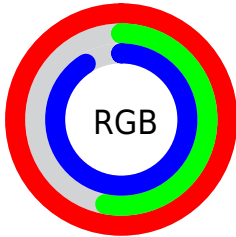
Format	Color
R_{YB}	255, 135, 232
Decimal	16746472
CIE _{Lab}	72.50, 57.81, -29.00
CIE _{LCh}	73, 64.674, 333.362
Yxy	44.4141, 0.3386, 0.2333
Android (android.graphics.Color)	4294936552 (0xFFFF87E8)
YUV	181.9380, 24.6806, 64.0754
Hunter-Lab	66.6439, 56.0249, -25.8550

Details

The Yxy color **44.4141, 0.3386, 0.2333** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1298, 0.2951, 0.4497**, and the grayscale version is **46.5934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.6077, 0.3438, 0.2117** is the 20% darker color. If you saturate the color by 10%, you get **37.8572, 0.3458, 0.2159**, and if you desaturate by 10%, it is **52.6864, 0.3319, 0.2528**.

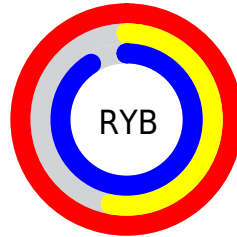
Distribution



Red (100%)

Green (53%)

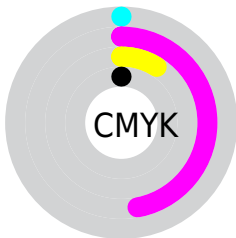
Blue (91%)



Red (100%)

Yellow (53%)

Blue (91%)

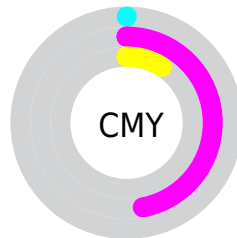


Cyan (0%)

Magenta (47%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4141, 0.3386, 0.2333 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 44.4141, 0.3386, 0.2333 by changing the saturation by 10% instead.


 44.4141, 0.3386,
0.2333

 44.4141, 0.3386,
0.2333


364.3954, 0.3274,
0.2772


 30.9962, 0.3409,
0.2235


 81.8405, 0.3349,
0.2484

 20.5959, 0.3437,
0.2115


 106.6178, 0.3334,
0.2543

 12.8290, 0.3469,
0.1965


 135.9503, 0.3321,
0.2594

 7.3109, 0.3507,
0.1774

170.2225, 0.3309,
0.2639

 3.6573, 0.3552,
0.1525

209.8187, 0.3299,
0.2678

 1.4838, 0.3598,
0.1191

255.1233, 0.3290,

 0.2773, 0.3713,

0.2713

0.0520

306.5208, 0.3282,
0.2744

0.0000, 0.3547,
0.0000

0.0000, 0.0000,
0.0000

44.4141, 0.3386,
0.2333

44.4141, 0.3386,
0.2333

37.8572, 0.3458,
0.2159

52.6864, 0.3319,
0.2528

32.8858, 0.3534,
0.2017

62.7794, 0.3258,
0.2735

29.3617, 0.3610,
0.1915

74.7971, 0.3204,
0.2944

27.1200, 0.3684,
0.1860

88.8339, 0.3157,
0.3150

■ 25.9503, 0.3755,
0.1851

99.9961, 0.3127,
0.3290

■ 25.7160, 0.3776,
0.1854

Harmonies

Analogous

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



44.4141, 0.2512, 0.2022



44.4141, 0.3386, 0.2333



44.4141, 0.4305, 0.2834

Triad

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



44.4141, 0.3386, 0.2333



44.4141, 0.4328, 0.4692



44.4141, 0.1650, 0.2745

Complementary

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



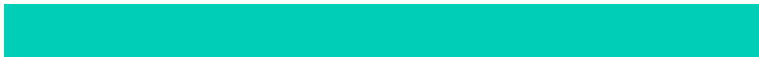
44.4141, 0.3386, 0.2333



79.1298, 0.2951, 0.4497

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.



44.4141, 0.2006, 0.3681



44.4141, 0.3386, 0.2333



44.4141, 0.3539, 0.4995

Square

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



44.4141, 0.3386, 0.2333



44.4141, 0.4843, 0.4090



44.4141, 0.2689, 0.4631



44.4141, 0.1629, 0.2172

Rectangle

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



44.4141, 0.3386, 0.2333



44.4141, 0.4741, 0.3232



44.4141, 0.2689, 0.4631



44.4141, 0.1730, 0.3024

Sweetspot

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



44.4162, 0.3386, 0.2333



78.8665, 0.3189, 0.3008



31.7239, 0.2377, 0.1856



16.2612, 0.3199, 0.2963



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.



44.4162, 0.3386, 0.2333



38.4724, 0.3450, 0.2176



41.6091, 0.4000, 0.2898



18.2371, 0.3168, 0.3100



13.4609, 0.3764, 0.1847



1.3253, 0.3689, 0.1806

Inverse Universe

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



44.4162, 0.3386, 0.2333



38.4724, 0.3450, 0.2176



81.6695, 0.2670, 0.3742



18.2371, 0.3168, 0.3100



13.4609, 0.3764, 0.1847



1.3253, 0.3689, 0.1806

Previews

White Background



This preview shows how the Yxy color 44.4141, 0.3386, 0.2333 looks on a white background.

Color Contrast Check

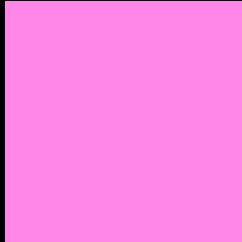
Large Text (above 18pt) WCAG AA × Fail

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 44.4141, 0.3386, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

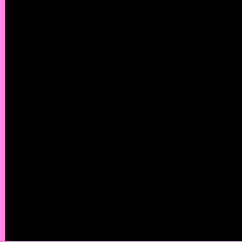
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4141, 0.3386, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 44.4141, 0.3386, 0.2333.



This preview shows how white text looks on a background with the Yxy color 44.4141, 0.3386, 0.2333.

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

44.4141, 0.3386, 0.2333

Protanopia

45.0430, 0.2425, 0.2339

Deuteranopia

44.7541, 0.2722, 0.2665



Tritanopia

44.1955, 0.3992, 0.3162

Trichromacy



Original Color

44.4141, 0.3386, 0.2333



Protanomaly

43.1523, 0.2707, 0.2301



Deuteranomaly

43.2996, 0.2939, 0.2498



Tritanomaly

44.1626, 0.3772, 0.2847

Monochromacy



Original Color

44.4141, 0.3386, 0.2333



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.6357, 0.3228, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4141, 0.3386, 0.2333 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, 135, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 232)  
}
```

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, 135, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 232) }
```

Border

The CSS property to change the border of an element to Yxy 44.4141, 0.3386, 0.2333 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, 135, 232) }
```

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

```
.border{ border-color:rgb(255, 135, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4141, 0.3386, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 232) }
```

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

```
.background{ background-color: rgb(255,  
135, 232) }
```

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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