

Converting Colors

$Y_{xy}(46.8758, 0.3308, 0.2327)$

Have a look what the booklet for
Yxy(46.8758, 0.3308, 0.2327)
contains.

Yxy(46.8973, 0.3307, 0.2327)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8973, 0.3307, 0.2327)

Conversions

Conversions Part 1

Format	Color
Hex	FF8EF0
RGB	255, 142, 240
RGB Percent	100%, 56%, 94%
CMY	0.0000, 0.4432, 0.0588
CMYK	0.00, 0.44, 0.06, 0.00
HSL	308°, 100%, 78%
HSV	308°, 44%, 100%
XYZ	66.6478, 46.8973, 87.9904
YIQ	186.9590, 35.8900, 54.4340

Conversions

Conversions Part 2

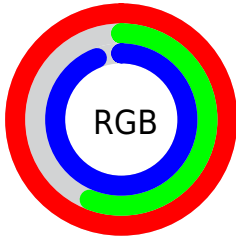
Format	Color
R _Y B	255, 142, 240
Decimal	16748272
CIE Lab	74.12, 55.74, -30.90
CIE LCh	74, 63.735, 330.996
Yxy	46.8973, 0.3307, 0.2327
Android (android.graphics.Color)	4294938352 (0xFFFF8EF0)
YUV	186.9590, 26.1492, 59.6720
Hunter-Lab	68.4816, 53.8772, -28.2432

Details

The Yxy color **46.8973, 0.3307, 0.2327** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.7036, 0.2991, 0.4498**, and the grayscale version is **49.5021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **22.0128, 0.3329, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **39.9578, 0.3357, 0.2137**, and if you desaturate by 10%, it is **55.5733, 0.3259, 0.2537**.

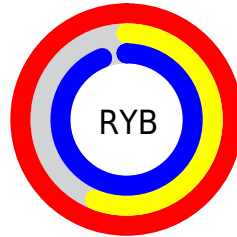
Distribution



Red (100%)

Green (56%)

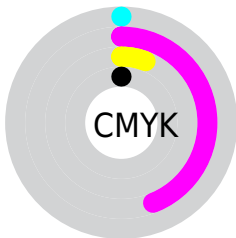
Blue (94%)



Red (100%)

Yellow (56%)

Blue (94%)

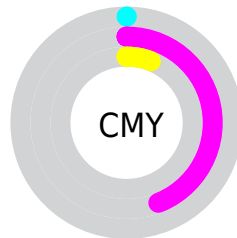


Cyan (0%)

Magenta (44%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8973, 0.3307, 0.2327 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 46.8973, 0.3307, 0.2327 by changing the saturation by 10% instead.


 46.8973, 0.3307,
0.2327

 46.8973, 0.3307,
0.2327


374.4044, 0.3235,
0.2764

 32.9545, 0.3320,
0.2230


 85.5603, 0.3284,
0.2477

 22.0916, 0.3336,
0.2112


 111.0493, 0.3275,
0.2535

 13.9242, 0.3352,
0.1966


141.1557, 0.3266,
0.2586

 8.0680, 0.3369,
0.1780

176.2641, 0.3259,
0.2631

 4.1385, 0.3384,
0.1540

216.7588, 0.3252,
0.2670

 1.7513, 0.3387,
0.1220

263.0241, 0.3246,

 0.4566, 0.3385,

0.2705

0.0703

315.4445, 0.3240,
0.2736

■ 0.0000, 0.3254,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8973, 0.3307,
0.2327

■ 46.8973, 0.3307,
0.2327

■ 39.9578, 0.3357,
0.2137

■ 55.5733, 0.3259,
0.2537

■ 34.6387, 0.3409,
0.1977

■ 66.0982, 0.3215,
0.2758

■ 30.8035, 0.3461,
0.1857

■ 78.5706, 0.3176,
0.2980

■ 28.2952, 0.3511,
0.1780

■ 93.0830, 0.3141,
0.3199

■ 26.9213, 0.3558,
0.1750

100.0000, 0.3127,
0.3290

■ 26.4907, 0.3583,
0.1747

Harmonies

Analogous

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



46.8973, 0.2474, 0.2040



46.8973, 0.3307, 0.2327



46.8973, 0.4205, 0.2805

Triad

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



46.8973, 0.3307, 0.2327



46.8973, 0.4351, 0.4617



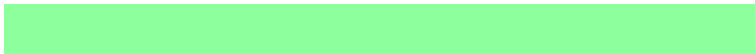
46.8973, 0.1705, 0.2826

Complementary

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



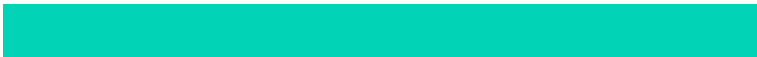
46.8973, 0.3307, 0.2327



79.7036, 0.2991, 0.4498

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.



46.8973, 0.2082, 0.3749



46.8973, 0.3307, 0.2327



46.8973, 0.3600, 0.4935

Square

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



46.8973, 0.3307, 0.2327



46.8973, 0.4816, 0.4027



46.8973, 0.2769, 0.4636



46.8973, 0.1657, 0.2236

Rectangle

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



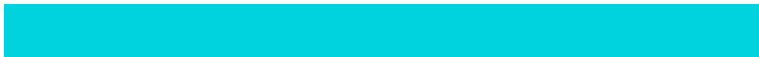
46.8973, 0.3307, 0.2327



46.8973, 0.4652, 0.3191



46.8973, 0.2769, 0.4636



46.8973, 0.1792, 0.3106

Sweetspot

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



46.8960, 0.3307, 0.2327



80.3630, 0.3171, 0.3010



33.5497, 0.2376, 0.1931



16.5622, 0.3179, 0.2961



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.



46.8960, 0.3307, 0.2327



40.7761, 0.3351, 0.2161



44.1196, 0.3845, 0.2842



18.2565, 0.3158, 0.3086



13.8581, 0.3576, 0.1744



1.3603, 0.3528, 0.1717

Inverse Universe

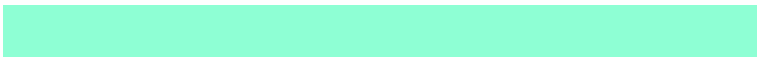
The Inverse Universe completely reimagines the original color for something new.



46.8960, 0.3307, 0.2327



40.7761, 0.3351, 0.2161



82.0074, 0.2726, 0.3804



18.2565, 0.3158, 0.3086



13.8581, 0.3576, 0.1744



1.3603, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 46.8973, 0.3307, 0.2327 looks on a white background.

Color Contrast Check

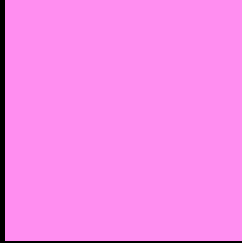
Large Text (above 18pt) WCAG AA × Fail

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 46.8973, 0.3307, 0.2327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

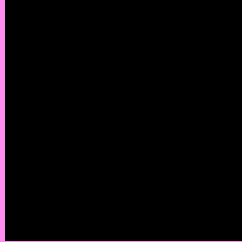
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8973, 0.3307, 0.2327

Background



This preview shows how black text looks on a background with the Yxy color 46.8973, 0.3307, 0.2327.



This preview shows how white text looks on a background with the Yxy color 46.8973, 0.3307, 0.2327.

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

46.8973, 0.3307, 0.2327

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1221, 0.2697, 0.2632



Tritanopia

46.7527, 0.3894, 0.3162

Trichromacy



Original Color

46.8973, 0.3307, 0.2327



Protanomaly

45.6439, 0.2722, 0.2338



Deuteranomaly

46.0251, 0.2889, 0.2490



Tritanomaly

46.7206, 0.3674, 0.2837

Monochromacy



Original Color

46.8973, 0.3307, 0.2327



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.5791, 0.3199, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8973, 0.3307, 0.2327 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, 142, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 240)  
}
```

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, 142, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 240) }
```

Border

The CSS property to change the border of an element to Yxy 46.8973, 0.3307, 0.2327 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, 142, 240) }
```

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

```
.border{ border-color:rgb(255, 142, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8973, 0.3307, 0.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 240) }
```

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

```
.background{ background-color: rgb(255,  
142, 240) }
```

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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