

Converting Colors

Yxy(60.0144, 0.3963, 0.2630)

Have a look what the booklet for
Yxy(60.0144, 0.3963, 0.2630)
contains.

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Color

Yxy(46.9470, 0.3441, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	FF91E1
RGB	255, 145, 225
RGB Percent	100%, 57%, 88%
CMY	0.0000, 0.4313, 0.1177
CMYK	0.00, 0.43, 0.12, 0.00
HSL	316°, 100%, 78%
HSV	316°, 43%, 100%
XYZ	64.9556, 46.9470, 76.8670
YIQ	187.0100, 39.8800, 48.2000

Conversions

Conversions Part 2

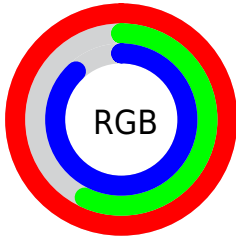
Format	Color
R _{YB}	255, 145, 225
Decimal	16749025
CIE _{Lab}	74.16, 51.81, -22.64
CIE _{LCh}	74, 56.544, 336.395
Y _{xy}	46.9470, 0.3441, 0.2487
Android (android.graphics.Color)	4294939105 (0xFFFF91E1)
YUV	187.0100, 18.7291, 59.6272
Hunter-Lab	68.5179, 49.3135, -18.5521

Details

The Yxy color $46.9470, 0.3441, 0.2487$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $80.6360, 0.2919, 0.4266$, and the grayscale version is $49.5766, 0.3127, 0.3290$.

A 20% lighter version of the original color is $70.2533, 0.3152, 0.2762$, and $22.1202, 0.3502, 0.2295$ is the 20% darker color. If you saturate the color by 10%, you get $39.6384, 0.3541, 0.2318$, and if you desaturate by 10%, it is $56.0231, 0.3351, 0.2671$.

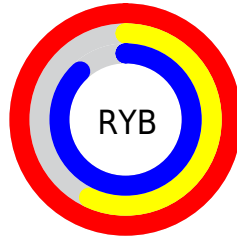
Distribution



Red (100%)

Green (57%)

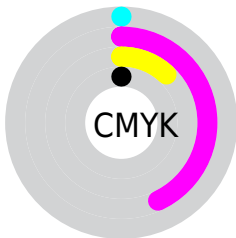
Blue (88%)



Red (100%)

Yellow (57%)

Blue (88%)

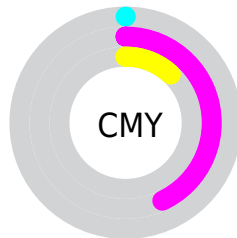


Cyan (0%)

Magenta (43%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9470, 0.3441, 0.2487 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 46.9470, 0.3441, 0.2487 by changing the saturation by 10% instead.


 46.9470, 0.3441,
0.2487


 46.9470, 0.3441,
0.2487


374.6029, 0.3298,
0.2858

 32.9938, 0.3473,
0.2403


 85.6345, 0.3392,
0.2616

 22.1217, 0.3512,
0.2299

 111.1376, 0.3373,
0.2666

 13.9463, 0.3561,
0.2169


141.2593, 0.3356,
0.2709

 8.0833, 0.3623,
0.2001

176.3842, 0.3341,
0.2746

 4.1483, 0.3704,
0.1776

216.8967, 0.3328,
0.2780

 1.7569, 0.3812,
0.1466

263.1810, 0.3317,

 0.4601, 0.4008,

0.2809

0.0909

315.6216, 0.3307,
0.2835

■ 0.0000, 0.4252,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9470, 0.3441,
0.2487

■ 46.9470, 0.3441,
0.2487

■ 39.6384, 0.3541,
0.2318

■ 56.0231, 0.3351,
0.2671

■ 33.9738, 0.3649,
0.2175

■ 66.9693, 0.3271,
0.2862

■ 29.8214, 0.3763,
0.2068

■ 79.8862, 0.3202,
0.3051

■ 27.0271, 0.3878,
0.2008

■ 94.8659, 0.3144,
0.3234

■ 25.4037, 0.3990,
0.1997

100.0000, 0.3127,
0.3290

■ 24.7812, 0.4065,
0.2013

Harmonies

Analogous

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



46.9470, 0.2666, 0.2188



46.9470, 0.3441, 0.2487



46.9470, 0.4208, 0.2952

Triad

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



46.9470, 0.3441, 0.2487



46.9470, 0.4135, 0.4569



46.9470, 0.1811, 0.2769

Complementary

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



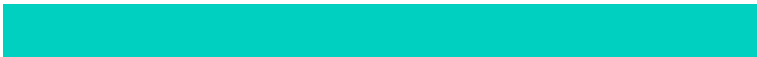
46.9470, 0.3441, 0.2487



80.6360, 0.2919, 0.4266

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.



46.9470, 0.2108, 0.3544



46.9470, 0.3441, 0.2487



46.9470, 0.3436, 0.4739

Square

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



46.9470, 0.3441, 0.2487



46.9470, 0.4600, 0.4083



46.9470, 0.2693, 0.4352



46.9470, 0.1815, 0.2286

Rectangle

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



46.9470, 0.3441, 0.2487



46.9470, 0.4554, 0.3318



46.9470, 0.2693, 0.4352



46.9470, 0.1876, 0.3001

Sweetspot

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



46.9487, 0.3441, 0.2487



80.0741, 0.3202, 0.3054



36.5103, 0.2519, 0.2012



16.4903, 0.3216, 0.3012



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.



46.9487, 0.3441, 0.2487



40.3828, 0.3529, 0.2336



44.4406, 0.3993, 0.3024



18.2108, 0.3180, 0.3119



12.9751, 0.4047, 0.2003



1.2817, 0.3929, 0.1938

Inverse Universe

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



46.9487, 0.3441, 0.2487



40.3828, 0.3529, 0.2336



83.2162, 0.2656, 0.3586



18.2108, 0.3180, 0.3119



12.9751, 0.4047, 0.2003



1.2817, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 46.9470, 0.3441, 0.2487 looks on a white background.

Color Contrast Check

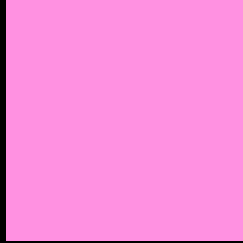
Large Text (above 18pt) WCAG AA × Fail

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 46.9470, 0.3441, 0.2487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

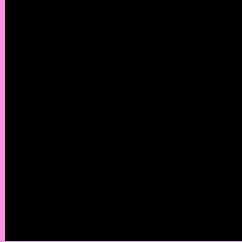
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9470, 0.3441, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 46.9470, 0.3441, 0.2487.



This preview shows how white text looks on a background with the Yxy color 46.9470, 0.3441, 0.2487.

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

46.9470, 0.3441, 0.2487

Protanopia

47.2889, 0.2510, 0.2441

Deuteranopia

47.4220, 0.2858, 0.2798



Tritanopia

47.0808, 0.3923, 0.3174

Trichromacy



Original Color

46.9470, 0.3441, 0.2487



Protanomaly

45.7840, 0.2792, 0.2429



Deuteranomaly

46.4132, 0.3053, 0.2665



Tritanomaly

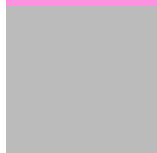
46.9658, 0.3741, 0.2911

Monochromacy



Original Color

46.9470, 0.3441, 0.2487



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.7191, 0.3240, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9470, 0.3441, 0.2487 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, 145, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 225)  
}
```

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, 145, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 225) }
```

Border

The CSS property to change the border of an element to Yxy 46.9470, 0.3441, 0.2487 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, 145, 225) }
```

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

```
.border{ border-color:rgb(255, 145, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9470, 0.3441, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 225) }
```

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

```
.background{ background-color: rgb(255,  
145, 225) }
```

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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