

Converting Colors

Yxy(46.7039, 0.3164, 0.2495)

Have a look what the booklet for
Yxy(46.7039, 0.3164, 0.2495)
contains.

Yxy(46.8724, 0.3164, 0.2496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.8724, 0.3164, 0.2496)

Conversions

Conversions Part 1	
Format	Color
Hex	E79DE7
RGB	231, 157, 231
RGB Percent	91%, 62%, 91%
CMY	0.0944, 0.3841, 0.0942
CMYK	0.00, 0.32, 0.00, 0.09
HSL	300°, 61%, 76%
HSV	300°, 32%, 91%
XYZ	59.4168, 46.8724, 81.5009
YIQ	187.5620, 20.3500, 38.7020

Conversions

Conversions Part 2

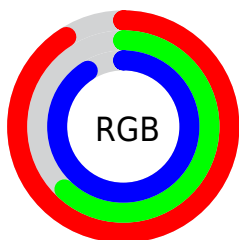
Format	Color
RYB	231, 157, 231
Decimal	15179239
CIELab	74.11, 39.13, -26.23
CIELCh	74, 47.107, 326.159
Yxy	46.8724, 0.3164, 0.2496
Android (android.graphics.Color)	4293369319 (0xFFE79DE7)
YUV	187.5620, 21.4149, 38.0951
Hunter-Lab	68.4634, 35.1023, -22.6562

Details

The Yxy color $46.8724, 0.3164, 0.2496$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $66.7531, 0.3083, 0.4236$, and the grayscale version is $49.8969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $21.9944, 0.3161, 0.2307$ is the 20% darker color. If you saturate the color by 10%, you get $39.7786, 0.3175, 0.2261$, and if you desaturate by 10%, it is $55.4478, 0.3153, 0.2744$.

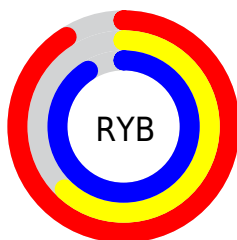
Distribution



Red (91%)

Green (62%)

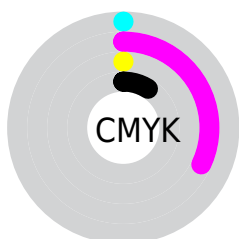
Blue (91%)



Red (91%)

Yellow (62%)

Blue (91%)

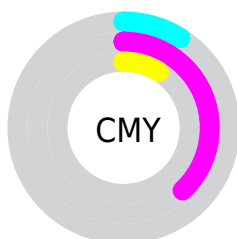


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (9%)


Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8724, 0.3164, 0.2496 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 46.8724, 0.3164, 0.2496 by changing the saturation by 10% instead.

 46.8724, 0.3164,
0.2496


 46.8724, 0.3164,
0.2496


374.3050, 0.3156,
0.2865

 32.9348, 0.3163,
0.2412


 85.5231, 0.3163,
0.2624

 22.0765, 0.3161,
0.2308


 111.0050, 0.3162,
0.2674

 13.9131, 0.3156,
0.2178


141.1038, 0.3161,
0.2717

 8.0603, 0.3146,
0.2009

176.2039, 0.3160,
0.2754

 4.1335, 0.3124,
0.1782

216.6897, 0.3159,
0.2787

 1.7485, 0.3077,
0.1468


262.9455, 0.3158,


 0.4548, 0.3002,


0.2816


0.0902


315.3558, 0.3157,
0.2842


 0.0000, 0.2283,
0.0000


 0.0000, 0.0000,
0.0000


 46.8724, 0.3164,
0.2496


 46.8724, 0.3164,
0.2496


 39.7786, 0.3175,
0.2261


 55.4478, 0.3153,
0.2744


 34.0767, 0.3185,
0.2047


 65.5756, 0.3141,
0.2995

 29.6771, 0.3193,
0.1865


 77.3293, 0.3129,
0.3241

 26.4770, 0.3200,
0.1722


 90.7760, 0.3118,
0.3478

 24.3583, 0.3204,
0.1621


 94.2782, 0.3116,
0.3533


 23.1790, 0.3207,
0.1563

 94.2806, 0.3116,
0.3533

 22.7295, 0.3208,
0.1541

 94.2830, 0.3116,
0.3533

 94.2855, 0.3116,
0.3533

 94.2879, 0.3116,
0.3533

Harmonies

Analogous

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



46.8724, 0.2553, 0.2297



46.8724, 0.3164, 0.2496



46.8724, 0.3831, 0.2861

Triad

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



46.8724, 0.3164, 0.2496



46.8724, 0.4156, 0.4268



46.8724, 0.2064, 0.3068

Complementary

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



46.8724, 0.3164, 0.2496



66.7531, 0.3083, 0.4236

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.



46.8724, 0.2418, 0.3746



46.8724, 0.3164, 0.2496



46.8724, 0.3621, 0.4493

Square

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



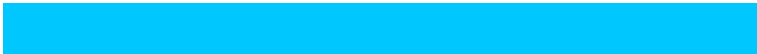
46.8724, 0.3164, 0.2496



46.8724, 0.4427, 0.3828



46.8724, 0.2984, 0.4317



46.8724, 0.1973, 0.2560

Rectangle

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



46.8724, 0.3164, 0.2496



46.8724, 0.4188, 0.3166



46.8724, 0.2984, 0.4317



46.8724, 0.2153, 0.3285

Sweetspot

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



46.8745, 0.3164, 0.2496



84.7927, 0.3139, 0.3044



37.4884, 0.2558, 0.2361



17.7277, 0.3140, 0.3008



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.



46.8745, 0.3164, 0.2496



52.9562, 0.3171, 0.2348



45.0650, 0.3484, 0.2861



14.6148, 0.3138, 0.3059



12.7453, 0.3208, 0.1541



0.9420, 0.3208, 0.1541

Inverse Universe

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



43.5513, 0.3863, 0.3292



48.2220, 0.4074, 0.3292



68.1530, 0.2878, 0.3766



14.3682, 0.3292, 0.3290



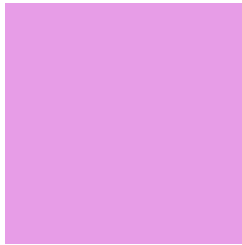
9.5245, 0.6400, 0.3299



0.7039, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 46.8724, 0.3164, 0.2496 looks on a white background.

Color Contrast Check

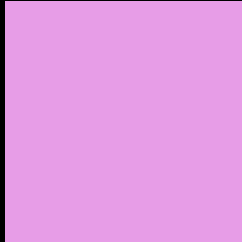
Large Text (above 18pt) WCAG AA × Fail

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 46.8724, 0.3164, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

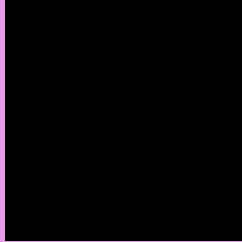
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8724, 0.3164, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 46.8724, 0.3164, 0.2496.



This preview shows how white text looks on a background with the Yxy color 46.8724, 0.3164, 0.2496.

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

46.8724, 0.3164, 0.2496

Protanopia

47.2064, 0.2533, 0.2472

Deuteranopia

47.2512, 0.2765, 0.2703




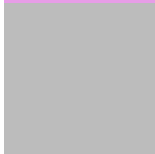
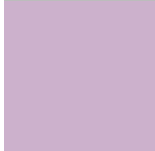
Tritanopia

46.7800, 0.3543, 0.3140

Trichromacy

	Original Color 46.8724, 0.3164, 0.2496
	Protanomaly 46.6072, 0.2734, 0.2474
	Deuteranomaly 46.5976, 0.2901, 0.2620
	Tritanomaly 46.6488, 0.3403, 0.2882

Monochromacy

	Original Color 46.8724, 0.3164, 0.2496
	Achromatopsia 50.2886, 0.3127, 0.3290
	Achromatomaly 48.6413, 0.3142, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8724, 0.3164, 0.2496 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(231, 157, 231) looks like.

```
.text, #text, p{  
    color:rgb(231, 157, 231)  
}
```

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(231, 157, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 157, 231) }
```

Border

The CSS property to change the border of an element to Yxy 46.8724, 0.3164, 0.2496 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(231, 157, 231) }
```

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

```
.border{ border-color:rgb(231, 157, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 157, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 157, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 157, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 157,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8724, 0.3164, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 157, 231) }
```

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

```
.background{ background-color: rgb(231,  
157, 231) }
```

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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