

Converting Colors

$Y_{xy}(52.2507, 0.2563, 0.1738)$

Have a look what the booklet for
Yxy(52.2507, 0.2563, 0.1738)
contains.

Yxy(46.8656, 0.3016, 0.2224)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8656, 0.3016, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	EC96FF
RGB	236, 150, 255
RGB Percent	93%, 59%, 100%
CMY	0.0744, 0.4118, 0.0000
CMYK	0.07, 0.41, 0.00, 0.00
HSL	289°, 100%, 79%
HSV	289°, 41%, 100%
XYZ	63.5551, 46.8656, 100.3059
YIQ	187.6840, 17.5510, 50.8870

Conversions

Conversions Part 2

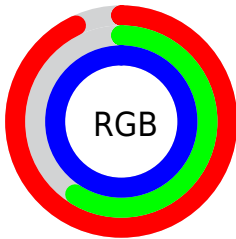
Format	Color
R _Y B	236, 150, 255
Decimal	15505151
CIE _{Lab}	74.10, 48.85, -39.25
CIE _{LCh}	74, 62.666, 321.216
Y _{xy}	46.8656, 0.3016, 0.2224
Android (android.graphics.Color)	4293695231 (0xFFEC96FF)
Y _{UV}	187.6840, 33.1868, 42.3731
Hunter-Lab	68.4585, 45.9127, -38.9513

Details

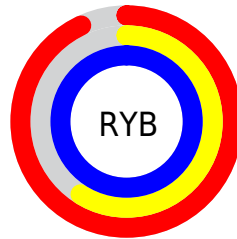
The Yxy color **46.8656, 0.3016, 0.2224** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.1526, 0.3176, 0.4528**, and the grayscale version is **49.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **22.0916, 0.2961, 0.1992** is the 20% darker color. If you saturate the color by 10%, you get **38.8177, 0.2976, 0.1978**, and if you desaturate by 10%, it is **56.7080, 0.3051, 0.2485**.

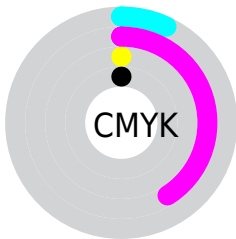
Distribution



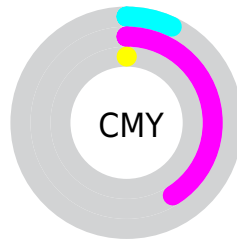
- Red (93%)
- Green (59%)
- Blue (100%)



- Red (93%)
- Yellow (59%)
- Blue (100%)



- Cyan (7%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8656, 0.3016, 0.2224 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 46.8656, 0.3016, 0.2224 by changing the saturation by 10% instead.


 46.8656, 0.3016,
0.2224


 46.8656, 0.3016,
0.2224


374.2778, 0.3087,
0.2704

 32.9294, 0.2995,
0.2119


 85.5130, 0.3044,
0.2387

 22.0724, 0.2967,
0.1991


 110.9930, 0.3054,
0.2452

 13.9101, 0.2928,
0.1835

141.0897, 0.3062,
0.2508

 8.0582, 0.2872,
0.1639

176.1875, 0.3069,
0.2557

 4.1322, 0.2785,
0.1389

216.6708, 0.3075,
0.2600

 1.7478, 0.2643,
0.1066

262.9240, 0.3079,

 0.4543, 0.2412,

0.2639

0.0579

315.3316, 0.3083,
0.2673

0.0000, 0.1876,
0.0000

0.0000, 0.0000,
0.0000

46.8656, 0.3016,
0.2224

46.8656, 0.3016,
0.2224

38.8177, 0.2976,
0.1978

56.7080, 0.3051,
0.2485

32.4426, 0.2932,
0.1758

68.4450, 0.3081,
0.2750

27.6121, 0.2886,
0.1573

82.1762, 0.3105,
0.3011

24.1770, 0.2837,
0.1432

97.9920, 0.3125,
0.3261

■ 21.9578, 0.2789,
0.1337

100.0000, 0.3127,
0.3290

■ 20.7650, 0.2747,
0.1287

Harmonies

Analogous

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



46.8656, 0.2270, 0.2015



46.8656, 0.3016, 0.2224



46.8656, 0.3915, 0.2643

Triad

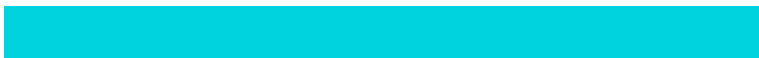
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.8656, 0.3016, 0.2224



46.8656, 0.4526, 0.4426



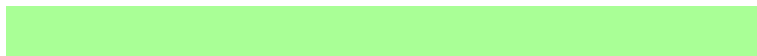
46.8656, 0.1809, 0.3104

Complementary

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



46.8656, 0.3016, 0.2224



82.1526, 0.3176, 0.4528

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.



46.8656, 0.2291, 0.4058



46.8656, 0.3016, 0.2224



46.8656, 0.3856, 0.4859

Square

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



46.8656, 0.3016, 0.2224



46.8656, 0.4843, 0.3817



46.8656, 0.3039, 0.4786



46.8656, 0.1658, 0.2402

Rectangle

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



46.8656, 0.3016, 0.2224



46.8656, 0.4437, 0.3004



46.8656, 0.3039, 0.4786



46.8656, 0.1933, 0.3410

Sweetspot

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



46.8674, 0.3016, 0.2224



80.9731, 0.3103, 0.2990



42.1694, 0.2394, 0.2250



16.9275, 0.3100, 0.2956



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.



46.8674, 0.3016, 0.2224



40.4257, 0.2985, 0.2030



48.3301, 0.3465, 0.2565



18.1247, 0.3109, 0.3054



10.9103, 0.2755, 0.1291



1.1036, 0.2809, 0.1321

Inverse Universe

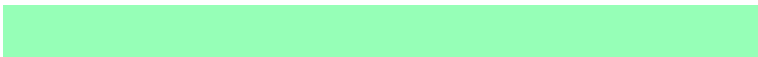
The Inverse Universe completely reimagines the original color for something new.



45.9329, 0.3994, 0.3093



39.5261, 0.4254, 0.3060



81.4322, 0.2904, 0.4155



18.0407, 0.3266, 0.3247



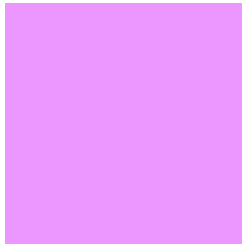
11.2275, 0.6129, 0.3150



1.1070, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 46.8656, 0.3016, 0.2224 looks on a white background.

Color Contrast Check

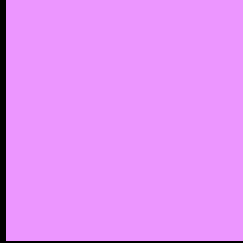
Large Text (above 18pt) WCAG AA × Fail

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 46.8656, 0.3016, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

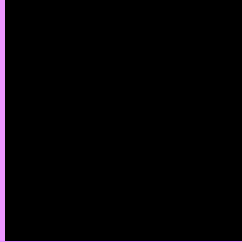
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8656, 0.3016, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 46.8656, 0.3016, 0.2224.



This preview shows how white text looks on a background with the Yxy color 46.8656, 0.3016, 0.2224.

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

46.8656, 0.3016, 0.2224

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.1635, 0.2521, 0.2461



Tritanopia

46.5347, 0.3564, 0.3140

Trichromacy



Original Color

46.8656, 0.3016, 0.2224



Protanomaly

46.1607, 0.2641, 0.2312



Deuteranomaly

46.1598, 0.2681, 0.2353

Tritanomaly

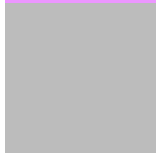
46.3046, 0.3353, 0.2765

Monochromacy



Original Color

46.8656, 0.3016, 0.2224



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.0047, 0.3088, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8656, 0.3016, 0.2224 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(236, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 150, 255)  
}
```

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(236, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.8656, 0.3016, 0.2224 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(236, 150, 255) }
```

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

```
.border{ border-color:rgb(236, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8656, 0.3016, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 150, 255) }
```

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

```
.background{ background-color: rgb(236,  
150, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor