

Converting Colors

$Y_{xy}(46.6950, 0.3040, 0.2212)$

Have a look what the booklet for
Yxy(46.6950, 0.3040, 0.2212)
contains.

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Color

Yxy(46.7505, 0.3041, 0.2213)

Conversions

Conversions Part 1

Format	Color
Hex	EF94FF
RGB	239, 148, 255
RGB Percent	94%, 58%, 100%
CMY	0.0627, 0.4196, 0.0000
CMYK	0.06, 0.42, 0.00, 0.00
HSL	291°, 100%, 79%
HSV	291°, 42%, 100%
XYZ	64.2423, 46.7505, 100.2611
YIQ	187.4070, 19.8890, 52.5690

Conversions

Conversions Part 2

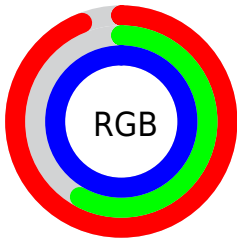
Format	Color
R _Y B	239, 148, 255
Decimal	15701247
CIE _{Lab}	74.03, 50.74, -39.35
CIE _{LCh}	74, 64.209, 322.204
Y _{xy}	46.7505, 0.3041, 0.2213
Android (android.graphics.Color)	4293891327 (0xFFEF94FF)
Y _{UV}	187.4070, 33.3233, 45.2471
Hunter-Lab	68.3743, 48.0578, -39.0782

Details

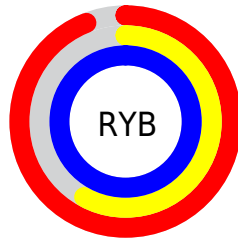
The Yxy color **46.7505, 0.3041, 0.2213** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.5481, 0.3156, 0.4562**, and the grayscale version is **49.7354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **21.9064, 0.2994, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **38.9580, 0.3010, 0.1974**, and if you desaturate by 10%, it is **56.3204, 0.3068, 0.2469**.

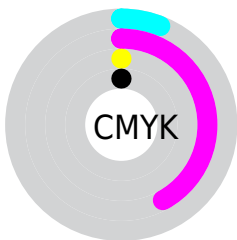
Distribution



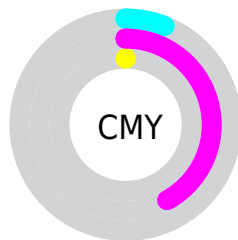
- Red (94%)
- Green (58%)
- Blue (100%)



- Red (94%)
- Yellow (58%)
- Blue (100%)



- Cyan (6%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7505, 0.3041, 0.2213 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 46.7505, 0.3041, 0.2213 by changing the saturation by 10% instead.

 46.7505, 0.3041,
0.2213

 46.7505, 0.3041,
0.2213


373.8177, 0.3100,
0.2698

 32.8385, 0.3023,
0.2107


 85.3411, 0.3065,
0.2378

 22.0027, 0.2998,
0.1979


 110.7884, 0.3074,
0.2443

 13.8589, 0.2963,
0.1822


140.8496, 0.3081,
0.2499

 8.0226, 0.2911,
0.1625

175.9091, 0.3086,
0.2549

 4.1094, 0.2831,
0.1375

216.3513, 0.3091,
0.2592

 1.7350, 0.2698,
0.1053

262.5605, 0.3095,

 0.4461, 0.2481,

0.2631

0.0565

314.9212, 0.3098,
0.2666

0.0000, 0.1979,
0.0000

0.0000, 0.0000,
0.0000

46.7505, 0.3041,
0.2213

46.7505, 0.3041,
0.2213

38.9580, 0.3010,
0.1974

56.3204, 0.3068,
0.2469

32.8234, 0.2975,
0.1762

67.7716, 0.3091,
0.2731

28.2163, 0.2937,
0.1588

81.2030, 0.3110,
0.2991

24.9856, 0.2898,
0.1457

96.7057, 0.3125,
0.3242

■ 22.9489, 0.2858,
0.1372

100.0000, 0.3127,
0.3290

■ 21.9578, 0.2827,
0.1331

Harmonies

Analogous

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



46.7505, 0.2271, 0.1992



46.7505, 0.3041, 0.2213



46.7505, 0.3963, 0.2645

Triad

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



46.7505, 0.3041, 0.2213



46.7505, 0.4536, 0.4465



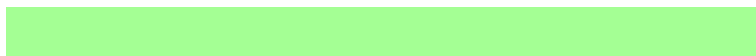
46.7505, 0.1770, 0.3067

Complementary

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



46.7505, 0.3041, 0.2213



81.5481, 0.3156, 0.4562

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.



46.7505, 0.2248, 0.4047



46.7505, 0.3041, 0.2213



46.7505, 0.3841, 0.4905

Square

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



46.7505, 0.3041, 0.2213



46.7505, 0.4881, 0.3843



46.7505, 0.3005, 0.4814



46.7505, 0.1629, 0.2362

Rectangle

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



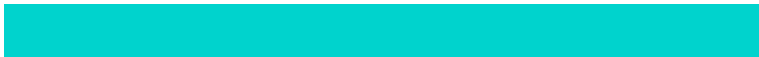
46.7505, 0.3041, 0.2213



46.7505, 0.4492, 0.3014



46.7505, 0.3005, 0.4814



46.7505, 0.1891, 0.3378

Sweetspot

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



46.7513, 0.3041, 0.2213



79.7158, 0.3108, 0.2965



40.0822, 0.2371, 0.2182



16.4005, 0.3104, 0.2908



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.



46.7513, 0.3041, 0.2213



40.3533, 0.3016, 0.2019



47.4761, 0.3507, 0.2585



18.1548, 0.3114, 0.3054



11.5256, 0.2833, 0.1335



1.1579, 0.2879, 0.1359

Inverse Universe

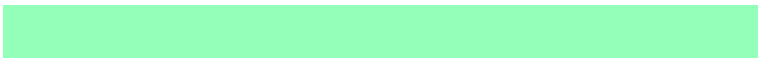
The Inverse Universe completely reimagines the original color for something new.



45.1173, 0.4054, 0.3125



38.6606, 0.4337, 0.3097



81.3370, 0.2883, 0.4129



18.0313, 0.3271, 0.3255



11.1954, 0.6199, 0.3189



1.1025, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 46.7505, 0.3041, 0.2213 looks on a white background.

Color Contrast Check

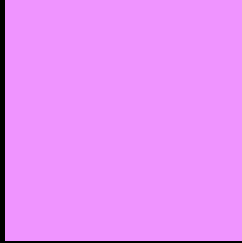
Large Text (above 18pt) WCAG AA × Fail

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 46.7505, 0.3041, 0.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

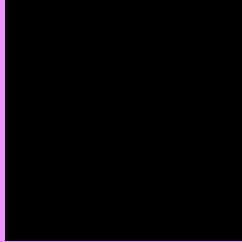
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7505, 0.3041, 0.2213

Background



This preview shows how black text looks on a background with the Yxy color 46.7505, 0.3041, 0.2213.



This preview shows how white text looks on a background with the Yxy color 46.7505, 0.3041, 0.2213.

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

46.7505, 0.3041, 0.2213

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

47.1635, 0.2521, 0.2461



Tritanopia

46.6186, 0.3604, 0.3141

Trichromacy



Original Color

46.7505, 0.3041, 0.2213



Protanomaly

45.7901, 0.2640, 0.2301



Deuteranomaly

45.9174, 0.2687, 0.2344

Tritanomaly

46.4083, 0.3390, 0.2769

Monochromacy



Original Color

46.7505, 0.3041, 0.2213



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.7624, 0.3097, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7505, 0.3041, 0.2213 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(239, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 148, 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(239, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.7505, 0.3041, 0.2213 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(239, 148, 255) }
```

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

```
.border{ border-color:rgb(239, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7505, 0.3041, 0.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 148, 255) }
```

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

```
.background{ background-color: rgb(239,  
148, 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](#).

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