

Converting Colors

$Y_{xy}(46.5804, 0.3426, 0.2456)$

Have a look what the booklet for
Yxy(46.5804, 0.3426, 0.2456)
contains.

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Color

Yxy(46.4510, 0.3425, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	FF8FE3
RGB	255, 143, 227
RGB Percent	100%, 56%, 89%
CMY	0.0000, 0.4393, 0.1098
CMYK	0.00, 0.44, 0.11, 0.00
HSL	315°, 100%, 78%
HSV	315°, 44%, 100%
XYZ	64.9366, 46.4510, 78.2083
YIQ	186.0640, 39.7880, 49.8680

Conversions

Conversions Part 2

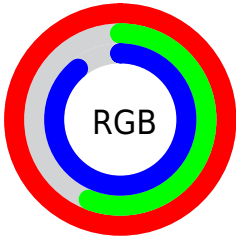
Format	Color
R_{YB}	255, 143, 227
Decimal	16748515
CIE Lab	73.84, 53.14, -24.22
CIE LCh	74, 58.403, 335.498
Yxy	46.4510, 0.3425, 0.2450
Android (android.graphics.Color)	4294938595 (0xFFFF8FE3)
YUV	186.0640, 20.1814, 60.4569
Hunter-Lab	68.1550, 50.7998, -20.3272

Details

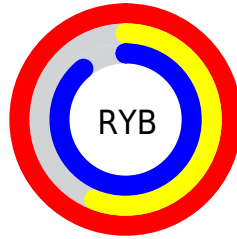
The Yxy color **46.4510, 0.3425, 0.2450** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.2984, 0.2928, 0.4320**, and the grayscale version is **49.0019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **21.8208, 0.3492, 0.2262** is the 20% darker color. If you saturate the color by 10%, you get **39.2957, 0.3517, 0.2278**, and if you desaturate by 10%, it is **55.3488, 0.3341, 0.2638**.

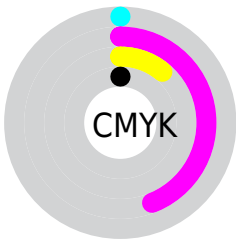
Distribution



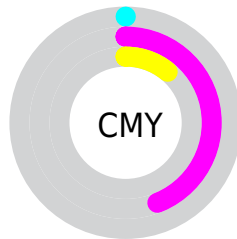
- Red (100%)
- Green (56%)
- Blue (89%)



- Red (100%)
- Yellow (56%)
- Blue (89%)



- Cyan (0%)
- Magenta (44%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4510, 0.3425, 0.2450 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 46.4510, 0.3425, 0.2450 by changing the saturation by 10% instead.


 46.4510, 0.3425,
0.2450


 46.4510, 0.3425,
0.2450


372.6189, 0.3291,
0.2838

 32.6019, 0.3455,
0.2362


 84.8936, 0.3379,
0.2584

 21.8216, 0.3490,
0.2255


 110.2558, 0.3361,
0.2636

 13.7259, 0.3535,
0.2120


140.2244, 0.3346,
0.2681

 7.9303, 0.3590,
0.1946

175.1840, 0.3332,
0.2721

 4.0504, 0.3661,
0.1716

215.5188, 0.3320,
0.2755

 1.7018, 0.3753,
0.1399

261.6133, 0.3309,

 0.4248, 0.3923,

0.2786

0.0822

313.8519, 0.3299,
0.2813

■ 0.0000, 0.4057,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4510, 0.3425,
0.2450

■ 46.4510, 0.3425,
0.2450

■ 39.2957, 0.3517,
0.2278

■ 55.3488, 0.3341,
0.2638

■ 33.7788, 0.3616,
0.2134

■ 66.1128, 0.3267,
0.2834

■ 29.7605, 0.3718,
0.2027

■ 78.8375, 0.3202,
0.3029

■ 27.0847, 0.3821,
0.1967

■ 93.6154, 0.3147,
0.3218

■ 25.5605, 0.3922,
0.1955

100.0000, 0.3127,
0.3290

■ 25.0319, 0.3981,
0.1967

Harmonies

Analogous

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



46.4510, 0.2627, 0.2149



46.4510, 0.3425, 0.2450



46.4510, 0.4227, 0.2923

Triad

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



46.4510, 0.3425, 0.2450



46.4510, 0.4183, 0.4597



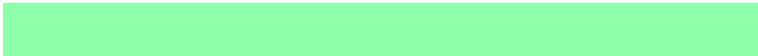
46.4510, 0.1775, 0.2767

Complementary

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



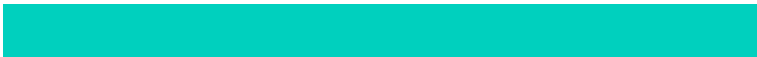
46.4510, 0.3425, 0.2450



80.2984, 0.2928, 0.4320

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.



46.4510, 0.2088, 0.3578



46.4510, 0.3425, 0.2450



46.4510, 0.3464, 0.4798

Square

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



46.4510, 0.3425, 0.2450



46.4510, 0.4656, 0.4084



46.4510, 0.2696, 0.4417



46.4510, 0.1771, 0.2262

Rectangle

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



46.4510, 0.3425, 0.2450



46.4510, 0.4594, 0.3296



46.4510, 0.2696, 0.4417



46.4510, 0.1844, 0.3010

Sweetspot

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



46.4458, 0.3425, 0.2450



80.1204, 0.3197, 0.3047



35.5170, 0.2491, 0.1981



16.5018, 0.3210, 0.3004



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.



46.4458, 0.3425, 0.2450



39.8883, 0.3508, 0.2293



43.8402, 0.3996, 0.3000



18.2182, 0.3177, 0.3113



13.1049, 0.3965, 0.1958



1.2935, 0.3860, 0.1900

Inverse Universe

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



46.4458, 0.3425, 0.2450



39.8883, 0.3508, 0.2293



82.9041, 0.2658, 0.3615



18.2182, 0.3177, 0.3113



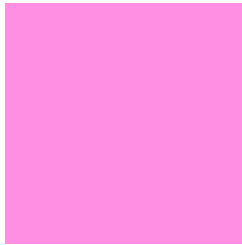
13.1049, 0.3965, 0.1958



1.2935, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 46.4510, 0.3425, 0.2450 looks on a white background.

Color Contrast Check

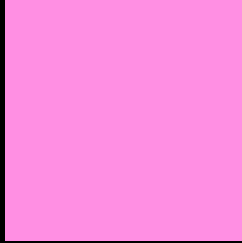
Large Text (above 18pt) WCAG AA × Fail

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 46.4510, 0.3425, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

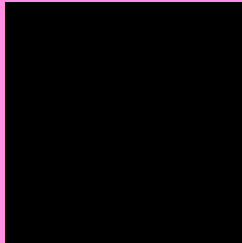
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4510, 0.3425, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 46.4510, 0.3425, 0.2450.



This preview shows how white text looks on a background with the Yxy color 46.4510, 0.3425, 0.2450.

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

46.4510, 0.3425, 0.2450

Protanopia

46.7669, 0.2473, 0.2394

Deuteranopia

46.7645, 0.2820, 0.2759



Tritanopia

46.1892, 0.3931, 0.3163

Trichromacy



Original Color

46.4510, 0.3425, 0.2450



Protanomaly

45.2734, 0.2762, 0.2395



Deuteranomaly

45.5034, 0.3020, 0.2618



Tritanomaly

46.3166, 0.3746, 0.2890

Monochromacy



Original Color

46.4510, 0.3425, 0.2450



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

46.8154, 0.3233, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4510, 0.3425, 0.2450 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, 143, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 227)  
}
```

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, 143, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 227) }
```

Border

The CSS property to change the border of an element to Yxy 46.4510, 0.3425, 0.2450 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, 143, 227) }
```

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

```
.border{ border-color:rgb(255, 143, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4510, 0.3425, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 227) }
```

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

```
.background{ background-color: rgb(255,  
143, 227) }
```

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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