

Converting Colors

$Y_{xy}(45.9512, 0.3265, 0.2246)$

Have a look what the booklet for
Yxy(45.9512, 0.3265, 0.2246)
contains.

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Color

Yxy(46.0295, 0.3266, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	FF8AF5
RGB	255, 138, 245
RGB Percent	100%, 54%, 96%
CMY	0.0000, 0.4588, 0.0393
CMYK	0.00, 0.46, 0.04, 0.00
HSL	305°, 100%, 77%
HSV	305°, 46%, 100%
XYZ	66.8144, 46.0295, 91.7317
YIQ	185.1810, 35.3850, 58.0810

Conversions

Conversions Part 2

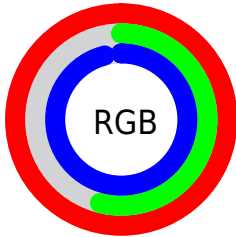
Format	Color
R _Y B	255, 138, 245
Decimal	16747253
CIE Lab	73.56, 58.52, -34.47
CIE LCh	74, 67.920, 329.501
Yxy	46.0295, 0.3266, 0.2250
Android (android.graphics.Color)	4294937333 (0xFFFF8AF5)
YUV	185.1810, 29.4908, 61.2313
Hunter-Lab	67.8450, 57.0595, -32.6731

Details

The Yxy color **46.0295, 0.3266, 0.2250** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.0613, 0.3013, 0.4618**, and the grayscale version is **48.4353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **21.5531, 0.3284, 0.2026** is the 20% darker color. If you saturate the color by 10%, you get **39.4162, 0.3301, 0.2058**, and if you desaturate by 10%, it is **54.3554, 0.3231, 0.2466**.

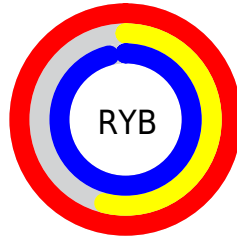
Distribution



Red (100%)

Green (54%)

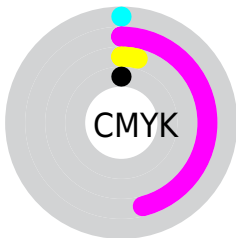
Blue (96%)



Red (100%)

Yellow (54%)

Blue (96%)

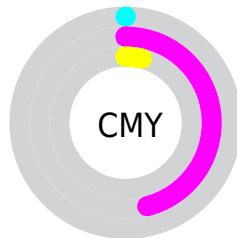


Cyan (0%)

Magenta (46%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0295, 0.3266, 0.2250 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 46.0295, 0.3266, 0.2250 by changing the saturation by 10% instead.


 46.0295, 0.3266,
0.2250

 46.0295, 0.3266,
0.2250


370.9272, 0.3216,
0.2719

 32.2691, 0.3274,
0.2147


 84.2631, 0.3252,
0.2410

 21.5671, 0.3281,
0.2022


 109.5052, 0.3245,
0.2473

 13.5392, 0.3287,
0.1868


 139.3432, 0.3240,
0.2528

 7.8009, 0.3289,
0.1674

174.1617, 0.3234,
0.2576

 3.9678, 0.3282,
0.1425

214.3449, 0.3229,
0.2618

 1.6556, 0.3252,
0.1101

260.2773, 0.3225,

 0.3946, 0.3199,

0.2655

0.0570

312.3433, 0.3220,
0.2689

■ 0.0000, 0.2944,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.0295, 0.3266,
0.2250

■ 46.0295, 0.3266,
0.2250

■ 39.4162, 0.3301,
0.2058

■ 54.3554, 0.3231,
0.2466

■ 34.4030, 0.3336,
0.1898

■ 64.5136, 0.3199,
0.2695

■ 30.8486, 0.3370,
0.1779

■ 76.6018, 0.3169,
0.2928

■ 28.5916, 0.3402,
0.1705

■ 90.7138, 0.3142,
0.3158

■ 27.4318, 0.3431,
0.1674

100.0000, 0.3127,
0.3290

■ 27.1524, 0.3442,
0.1670

Harmonies

Analogous

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



46.0295, 0.2392, 0.1961



46.0295, 0.3266, 0.2250



46.0295, 0.4238, 0.2742

Triad

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



46.0295, 0.3266, 0.2250



46.0295, 0.4449, 0.4659



46.0295, 0.1632, 0.2827

Complementary

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



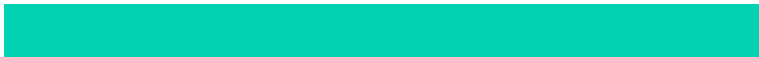
46.0295, 0.3266, 0.2250



79.0613, 0.3013, 0.4618

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.



46.0295, 0.2039, 0.3834



46.0295, 0.3266, 0.2250



46.0295, 0.3657, 0.5050

Square

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



46.0295, 0.3266, 0.2250



46.0295, 0.4935, 0.4017



46.0295, 0.2776, 0.4783



46.0295, 0.1570, 0.2187

Rectangle

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



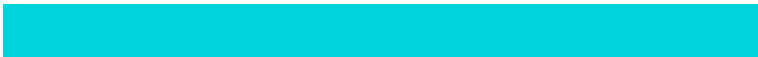
46.0295, 0.3266, 0.2250



46.0295, 0.4733, 0.3142



46.0295, 0.2776, 0.4783



46.0295, 0.1727, 0.3131

Sweetspot

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



46.0263, 0.3266, 0.2250



79.1043, 0.3164, 0.2972



31.6671, 0.2317, 0.1867



16.3197, 0.3170, 0.2921



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.



46.0263, 0.3266, 0.2250



39.9349, 0.3298, 0.2073



43.0120, 0.3840, 0.2787



18.2720, 0.3151, 0.3076



14.1989, 0.3437, 0.1667



1.3901, 0.3408, 0.1651

Inverse Universe

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



46.0263, 0.3266, 0.2250



39.9349, 0.3298, 0.2073



81.3910, 0.2733, 0.3875



18.2720, 0.3151, 0.3076



14.1989, 0.3437, 0.1667



1.3901, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 46.0295, 0.3266, 0.2250 looks on a white background.

Color Contrast Check

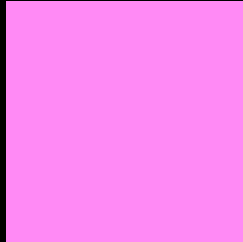
Large Text (above 18pt) WCAG AA × Fail

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 46.0295, 0.3266, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

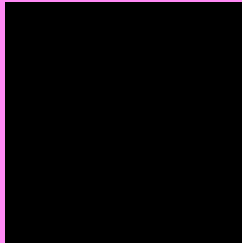
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0295, 0.3266, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 46.0295, 0.3266, 0.2250.

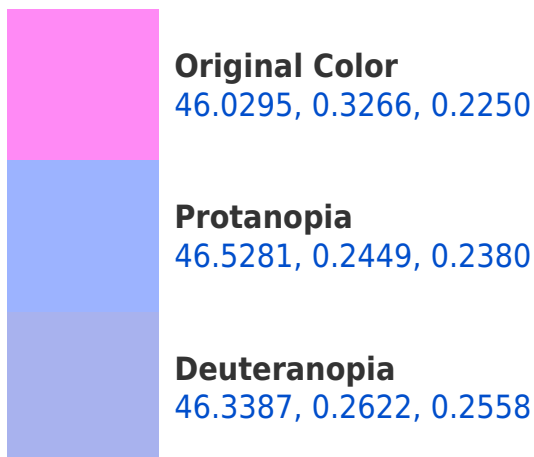


This preview shows how white text looks on a background with the Yxy color 46.0295, 0.3266, 0.2250.

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





Tritanopia

45.8255, 0.3912, 0.3162

Trichromacy



Original Color

46.0295, 0.3266, 0.2250



Protanomaly

44.7224, 0.2698, 0.2302



Deuteranomaly

44.8246, 0.2828, 0.2401



Tritanomaly

45.5748, 0.3671, 0.2804

Monochromacy



Original Color

46.0295, 0.3266, 0.2250



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.2119, 0.3175, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0295, 0.3266, 0.2250 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, 138, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 245)  
}
```

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, 138, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 245) }
```

Border

The CSS property to change the border of an element to Yxy 46.0295, 0.3266, 0.2250 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, 138, 245) }
```

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

```
.border{ border-color:rgb(255, 138, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0295, 0.3266, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 245) }
```

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

```
.background{ background-color: rgb(255,  
138, 245) }
```

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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