

Converting Colors

$Y_{xy}(47.2022, 0.3570, 0.2560)$

Have a look what the booklet for
Yxy(47.2022, 0.3570, 0.2560)
contains.

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Color

Yxy(46.2163, 0.3518, 0.2551)

Conversions

Conversions Part 1

Format	Color
Hex	FF90D9
RGB	255, 144, 217
RGB Percent	100%, 56%, 85%
CMY	0.0001, 0.4352, 0.1490
CMYK	0.00, 0.44, 0.15, 0.00
HSL	321°, 100%, 78%
HSV	321°, 44%, 100%
XYZ	63.7354, 46.2163, 71.2177
YIQ	185.5110, 42.7230, 46.2350

Conversions

Conversions Part 2

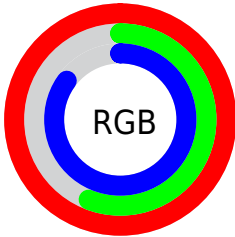
Format	Color
R _Y B	255, 144, 217
Decimal	16748761
CIE Lab	73.69, 51.06, -18.98
CIE LCh	74, 54.477, 339.612
Yxy	46.2163, 0.3518, 0.2551
Android (android.graphics.Color)	4294938841 (0xFFFF90D9)
YUV	185.5110, 15.5241, 60.9419
Hunter-Lab	67.9826, 48.3788, -14.5236

Details

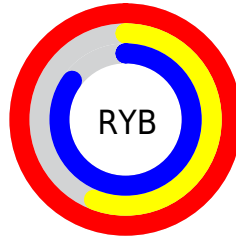
The Yxy color **46.2163, 0.3518, 0.2551** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.8186, 0.2880, 0.4178**, and the grayscale version is **48.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **21.6567, 0.3611, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **38.9042, 0.3646, 0.2396**, and if you desaturate by 10%, it is **55.3009, 0.3404, 0.2720**.

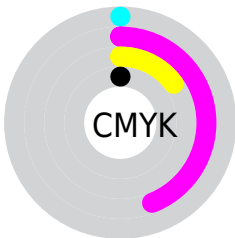
Distribution



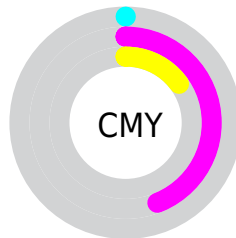
- Red (100%)
- Green (56%)
- Blue (85%)



- Red (100%)
- Yellow (56%)
- Blue (85%)



- Cyan (0%)
- Magenta (44%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2163, 0.3518, 0.2551 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 46.2163, 0.3518, 0.2551 by changing the saturation by 10% instead.


 46.2163, 0.3518,
0.2551


 46.2163, 0.3518,
0.2551


371.6776, 0.3334,
0.2896

 32.4165, 0.3561,
0.2472


 84.5426, 0.3454,
0.2671

 21.6799, 0.3613,
0.2374


 109.8380, 0.3429,
0.2718

 13.6219, 0.3681,
0.2250


139.7340, 0.3407,
0.2758

 7.8581, 0.3769,
0.2088

174.6150, 0.3389,
0.2793

 4.0043, 0.3889,
0.1869

214.8655, 0.3373,
0.2824

 1.6760, 0.4062,
0.1561

260.8698, 0.3358,

 0.4080, 0.4405,

0.2851

0.0941

313.0124, 0.3346,
0.2875

■ 0.0000, 0.5072,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2163, 0.3518,
0.2551

■ 46.2163, 0.3518,
0.2551

■ 38.9042, 0.3646,
0.2396

■ 55.3009, 0.3404,
0.2720

■ 33.2388, 0.3787,
0.2267

■ 66.2595, 0.3305,
0.2894

■ 29.0882, 0.3936,
0.2174

■ 79.1939, 0.3221,
0.3067

■ 26.2970, 0.4089,
0.2128

■ 94.1964, 0.3149,
0.3233

■ 24.6760, 0.4240,
0.2135

99.9975, 0.3127,
0.3290

■ 24.0750, 0.4335,
0.2162

Harmonies

Analogous

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



46.2163, 0.2754, 0.2238



46.2163, 0.3518, 0.2551



46.2163, 0.4240, 0.3019

Triad

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



46.2163, 0.3518, 0.2551



46.2163, 0.4045, 0.4571



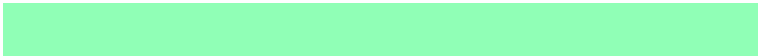
46.2163, 0.1833, 0.2723

Complementary

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



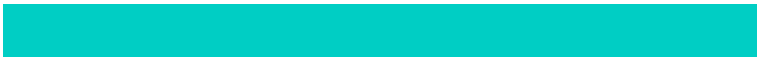
46.2163, 0.3518, 0.2551



80.8186, 0.2880, 0.4178

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.



46.2163, 0.2093, 0.3449



46.2163, 0.3518, 0.2551



46.2163, 0.3352, 0.4678

Square

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



46.2163, 0.3518, 0.2551



46.2163, 0.4526, 0.4124



46.2163, 0.2637, 0.4244



46.2163, 0.1866, 0.2283

Rectangle

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



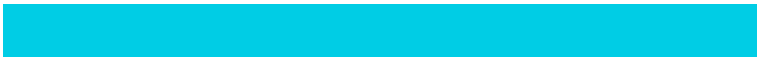
46.2163, 0.3518, 0.2551



46.2163, 0.4545, 0.3381



46.2163, 0.2637, 0.4244



46.2163, 0.1886, 0.2937

Sweetspot

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



46.2185, 0.3518, 0.2551



79.9338, 0.3217, 0.3076



36.9938, 0.2568, 0.2018



16.4555, 0.3234, 0.3038



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.



46.2185, 0.3518, 0.2551



39.9122, 0.3626, 0.2418



43.8346, 0.4085, 0.3099



18.1885, 0.3191, 0.3135



12.6103, 0.4311, 0.2149



1.2483, 0.4153, 0.2061

Inverse Universe

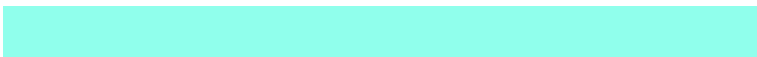
The Inverse Universe completely reimagines the original color for something new.



46.2185, 0.3518, 0.2551



39.9122, 0.3626, 0.2418



83.5266, 0.2619, 0.3501



18.1885, 0.3191, 0.3135



12.6103, 0.4311, 0.2149



1.2483, 0.4153, 0.2061

Previews

White Background



This preview shows how the Yxy color 46.2163, 0.3518, 0.2551 looks on a white background.

Color Contrast Check

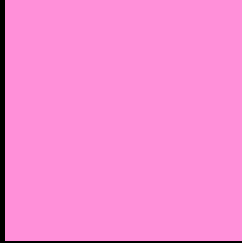
Large Text (above 18pt) WCAG AA × Fail

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 46.2163, 0.3518, 0.2551 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 46.2163, 0.3518, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 46.2163, 0.3518, 0.2551.

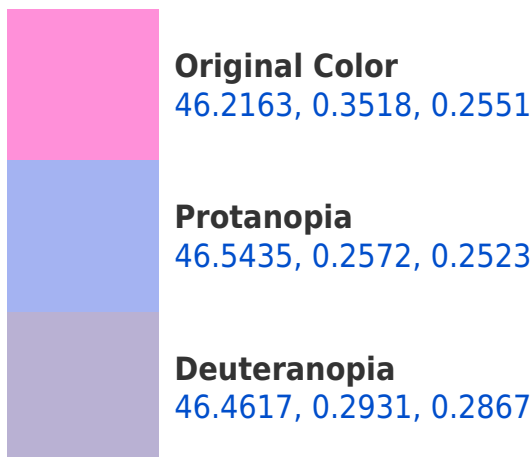


This preview shows how white text looks on a background with the Yxy color 46.2163, 0.3518, 0.2551.

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

46.0041, 0.3954, 0.3163

Trichromacy



Original Color

46.2163, 0.3518, 0.2551



Protanomaly

45.0259, 0.2862, 0.2509



Deuteranomaly

45.4160, 0.3127, 0.2729



Tritanomaly

45.8247, 0.3789, 0.2921

Monochromacy



Original Color

46.2163, 0.3518, 0.2551



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.0059, 0.3266, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2163, 0.3518, 0.2551 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, 144, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 217)  
}
```

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, 144, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 217) }
```

Border

The CSS property to change the border of an element to Yxy 46.2163, 0.3518, 0.2551 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, 144, 217) }
```

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

```
.border{ border-color:rgb(255, 144, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2163, 0.3518, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 217) }
```

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

```
.background{ background-color: rgb(255,  
144, 217) }
```

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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