

Converting Colors

$Y_{xy}(46.5995, 0.3855, 0.2961)$

Have a look what the booklet for
Yxy(46.5995, 0.3855, 0.2961)
contains.

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Color

Yxy(46.4501, 0.3858, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	FF96B6
RGB	255, 150, 182
RGB Percent	100%, 59%, 71%
CMY	0.0000, 0.4119, 0.2862
CMYK	0.00, 0.41, 0.29, 0.00
HSL	342°, 100%, 79%
HSV	342°, 41%, 100%
XYZ	60.6035, 46.4501, 50.0316
YIQ	185.0430, 52.3080, 32.2120

Conversions

Conversions Part 2

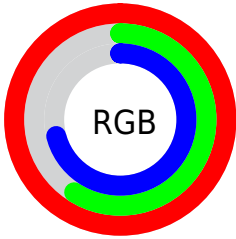
Format	Color
R_{YB}	255, 150, 182
Decimal	16750262
CIE _{Lab}	73.84, 43.12, 0.56
CIE _{LCh}	74, 43.128, 0.741
Yxy	46.4501, 0.3858, 0.2957
Android (android.graphics.Color)	4294940342 (0xFFFF96B6)
YUV	185.0430, -1.5002, 61.3523
Hunter-Lab	68.1543, 39.4539, 4.1836

Details

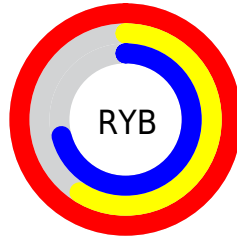
The Yxy color $46.4501, 0.3858, 0.2957$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $83.3279, 0.2709, 0.3661$, and the grayscale version is $48.5195, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.5757, 0.3269, 0.2972$, and $21.8701, 0.4067, 0.2869$ is the 20% darker color. If you saturate the color by 10%, you get $38.4860, 0.4138, 0.2883$, and if you desaturate by 10%, it is $56.2637, 0.3622, 0.3039$.

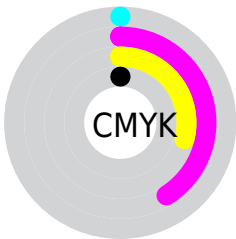
Distribution



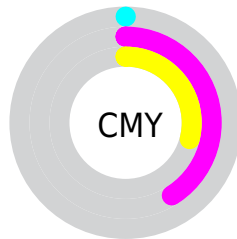
- Red (100%)
- Green (59%)
- Blue (71%)



- Red (100%)
- Yellow (59%)
- Blue (71%)



- Cyan (0%)
- Magenta (41%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4501, 0.3858, 0.2957 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 46.4501, 0.3858, 0.2957 by changing the saturation by 10% instead.


 46.4501, 0.3858,
0.2957

 46.4501, 0.3858,
0.2957


372.6153, 0.3493,
0.3124

 32.6011, 0.3949,
0.2915

 84.8922, 0.3726,
0.3018

 21.8211, 0.4065,
0.2862


 110.2542, 0.3676,
0.3040

 13.7255, 0.4219,
0.2791


140.2226, 0.3634,
0.3060

 7.9300, 0.4431,
0.2693

175.1818, 0.3597,
0.3076

 4.0502, 0.4744,
0.2548

215.5163, 0.3566,
0.3091

 1.7017, 0.5242,
0.2317

261.6105, 0.3539,

 0.4247, 0.6561,

0.3103

0.1722

313.8486, 0.3514,
0.3114

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.4501, 0.3858,
0.2957

46.4501, 0.3858,
0.2957

38.4860, 0.4138,
0.2883

56.2637, 0.3622,
0.3039

32.2723, 0.4461,
0.2827

68.0562, 0.3428,
0.3123

27.6688, 0.4817,
0.2800

81.9212, 0.3270,
0.3204

24.5224, 0.5185,
0.2815

97.9521, 0.3141,
0.3281

■ 22.6496, 0.5531,
0.2878

100.0000, 0.3127,
0.3290

■ 21.8068, 0.5794,
0.2965

Harmonies

Analogous

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



46.4501, 0.3259, 0.2596



46.4501, 0.3858, 0.2957



46.4501, 0.4257, 0.3404

Triad

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



46.4501, 0.3858, 0.2957



46.4501, 0.3502, 0.4393



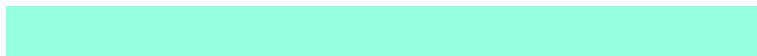
46.4501, 0.2063, 0.2568

Complementary

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



46.4501, 0.3858, 0.2957



83.3279, 0.2709, 0.3661

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.



46.4501, 0.2113, 0.3007



46.4501, 0.3858, 0.2957



46.4501, 0.2913, 0.4164

Square

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



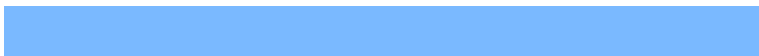
46.4501, 0.3858, 0.2957



46.4501, 0.4018, 0.4245



46.4501, 0.2410, 0.3613



46.4501, 0.2257, 0.2364

Rectangle

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



46.4501, 0.3858, 0.2957



46.4501, 0.4332, 0.3715



46.4501, 0.2410, 0.3613



46.4501, 0.2052, 0.2689

Sweetspot

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



46.4433, 0.3858, 0.2957



80.7117, 0.3281, 0.3198



44.5145, 0.2898, 0.2186



16.8670, 0.3301, 0.3188



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.



46.4433, 0.3858, 0.2957



40.0716, 0.4073, 0.2898



51.9235, 0.4105, 0.3495



18.0783, 0.3246, 0.3218



11.4177, 0.5751, 0.2942



1.1302, 0.5431, 0.2765

Inverse Universe

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



46.4433, 0.3858, 0.2957



40.0716, 0.4073, 0.2898



73.5466, 0.2526, 0.3068



18.0783, 0.3246, 0.3218



11.4177, 0.5751, 0.2942



1.1302, 0.5431, 0.2765

Previews

White Background



This preview shows how the Yxy color 46.4501, 0.3858, 0.2957 looks on a white background.

Color Contrast Check

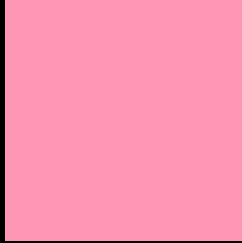
Large Text (above 18pt) WCAG AA × Fail

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 46.4501, 0.3858, 0.2957 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 46.4501, 0.3858, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 46.4501, 0.3858, 0.2957.



This preview shows how white text looks on a background with the Yxy color 46.4501, 0.3858, 0.2957.

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

46.4501, 0.3858, 0.2957

Protanopia

46.9212, 0.2973, 0.3047

Deuteranopia

46.6825, 0.3333, 0.3266



Tritanopia

46.3454, 0.4016, 0.3176

Trichromacy



Original Color

46.4501, 0.3858, 0.2957



Protanomaly

45.8651, 0.3266, 0.3012



Deuteranomaly

46.2643, 0.3525, 0.3150



Tritanomaly

46.4676, 0.3956, 0.3092

Monochromacy



Original Color

46.4501, 0.3858, 0.2957



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.6674, 0.3369, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4501, 0.3858, 0.2957 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, 150, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 182)  
}
```

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, 150, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 182) }
```

Border

The CSS property to change the border of an element to Yxy 46.4501, 0.3858, 0.2957 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, 150, 182) }
```

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

```
.border{ border-color:rgb(255, 150, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 150, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 150, 182); box-shadow:4px 4px 4px 4px rgb(255, 150, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4501, 0.3858, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 182) }
```

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

```
.background{ background-color: rgb(255,  
150, 182) }
```

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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