

Converting Colors

$Y_{xy}(35.5166, 0.2884, 0.2594)$

Have a look what the booklet for
Yxy(35.5166, 0.2884, 0.2594)
contains.

Yxy(35.4915, 0.2881, 0.2594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.4915, 0.2881, 0.2594)

Conversions

Conversions Part 1

Format	Color
Hex	AE97CC
RGB	174, 151, 204
RGB Percent	68%, 59%, 80%
CMY	0.3178, 0.4078, 0.1999
CMYK	0.15, 0.26, 0.00, 0.20
HSL	266°, 34%, 70%
HSV	266°, 26%, 80%
XYZ	39.4183, 35.4915, 61.9117
YIQ	163.9190, -3.3050, 21.3590

Conversions

Conversions Part 2

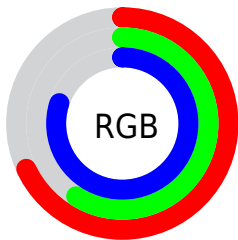
Format	Color
RYB	174, 151, 204
Decimal	11442124
CIELab	66.13, 18.86, -24.09
CIElCh	66, 30.595, 308.062
Yxy	35.4915, 0.2881, 0.2594
Android (android.graphics.Color)	4289632204 (0xFFAE97CC)
YUV	163.9190, 19.7599, 8.8410
Hunter-Lab	59.5747, 13.8507, -19.9135

Details

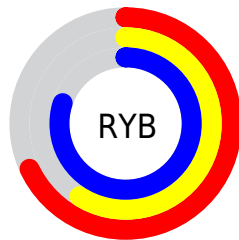
The Yxy color **35.4915, 0.2881, 0.2594** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.2608, 0.3327, 0.3975**, and the grayscale version is **36.9891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7056, 0.2971, 0.2774**, and **15.3813, 0.2795, 0.2396** is the 20% darker color. If you saturate the color by 10%, you get **28.2126, 0.2761, 0.2295**, and if you desaturate by 10%, it is **44.0240, 0.2987, 0.2879**.

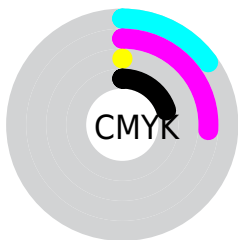
Distribution



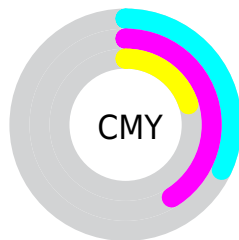
- Red (68%)
- Green (59%)
- Blue (80%)



- Red (68%)
- Yellow (59%)
- Blue (80%)



- Cyan (15%)
- Magenta (26%)
- Yellow (0%)
- Black (20%)





- Cyan (32%)
- Magenta (41%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4915, 0.2881, 0.2594 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 35.4915, 0.2881, 0.2594 by changing the saturation by 10% instead.

 35.4915, 0.2881,
0.2594


 35.4915, 0.2881,
0.2594


326.7325, 0.3013,
0.2940

 24.0417, 0.2845,
0.2509


 68.2465, 0.2931,
0.2719

 15.3646, 0.2798,
0.2400


 90.3205, 0.2949,
0.2766

 9.0757, 0.2732,
0.2257


116.7047, 0.2965,
0.2806

 4.7906, 0.2636,
0.2062

147.7835, 0.2977,
0.2841

 2.1249, 0.2485,
0.1782

183.9413, 0.2988,
0.2871

 0.6786, 0.2226,
0.1332

225.5624, 0.2998,

 0.0000, 0.0411,

0.2897

0.0000

273.0314, 0.3006,
0.2920

0.0000, 0.0000,
0.0000

35.4915, 0.2881,
0.2594

35.4915, 0.2881,
0.2594

28.2126, 0.2761,
0.2295

44.0240, 0.2987,
0.2879

22.1216, 0.2628,
0.1989

53.8628, 0.3079,
0.3143

17.1532, 0.2486,
0.1690

65.0629, 0.3157,
0.3384

13.2337, 0.2339,
0.1413

77.6747, 0.3223,
0.3602

10.2806, 0.2194,
0.1173

91.7461, 0.3279,
0.3796

■ 8.1980, 0.2058,
0.0986

■ 94.9994, 0.3352,
0.3803

■ 6.8668, 0.1938,
0.0858

■ 97.1263, 0.3429,
0.3790

■ 6.4537, 0.1894,
0.0817

■ 97.1406, 0.3430,
0.3790

Harmonies

Analogous

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



35.4915, 0.2505, 0.2542



35.4915, 0.2881, 0.2594



35.4915, 0.3353, 0.2799

Triad

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



35.4915, 0.2881, 0.2594



35.4915, 0.4018, 0.3843



35.4915, 0.2491, 0.3427

Complementary

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



35.4915, 0.2881, 0.2594



55.2608, 0.3327, 0.3975

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.



35.4915, 0.2861, 0.3868



35.4915, 0.2881, 0.2594



35.4915, 0.3747, 0.4090

Square

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



35.4915, 0.2881, 0.2594



35.4915, 0.4039, 0.3488



35.4915, 0.3321, 0.4117



35.4915, 0.2294, 0.2982

Rectangle

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



35.4915, 0.2881, 0.2594



35.4915, 0.3658, 0.3002



35.4915, 0.3321, 0.4117



35.4915, 0.2598, 0.3584

Sweetspot

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



35.4930, 0.2881, 0.2594



85.5403, 0.3060, 0.3089



44.3694, 0.2722, 0.2991



17.7625, 0.3047, 0.3049



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.



35.4930, 0.2881, 0.2594



51.9809, 0.2818, 0.2433



38.7221, 0.3116, 0.2641



11.0777, 0.3049, 0.3055



4.1140, 0.1908, 0.0825



0.2568, 0.2132, 0.0948

Inverse Universe

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



38.3156, 0.3372, 0.2915



57.4986, 0.3438, 0.2833



52.4410, 0.3126, 0.4019



11.3184, 0.3203, 0.3159



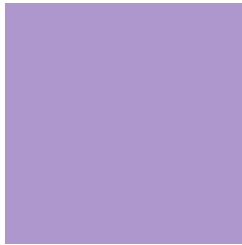
8.8873, 0.4663, 0.2342



0.4735, 0.4304, 0.2144

Previews

White Background



This preview shows how the Yxy color 35.4915, 0.2881, 0.2594 looks on a white background.

Color Contrast Check

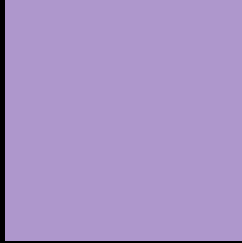
Large Text (above 18pt) WCAG AA × Fail

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 35.4915, 0.2881, 0.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

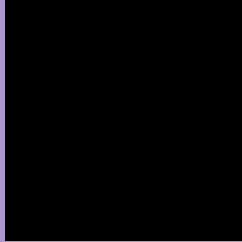
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4915, 0.2881, 0.2594

Background



This preview shows how black text looks on a background with the Yxy color 35.4915, 0.2881, 0.2594.



This preview shows how white text looks on a background with the Yxy color 35.4915, 0.2881, 0.2594.

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

35.4915, 0.2881, 0.2594

Protanopia

35.6525, 0.2620, 0.2590

Deuteranopia

35.7341, 0.2731, 0.2672



Tritanopia

35.3411, 0.3117, 0.3106

Trichromacy



Original Color

35.4915, 0.2881, 0.2594

Protanomaly

35.4991, 0.2709, 0.2587

Deuteranomaly

35.4359, 0.2787, 0.2640

Tritanomaly

35.3661, 0.3030, 0.2917

Monochromacy



Original Color

35.4915, 0.2881, 0.2594

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.3758, 0.3037, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4915, 0.2881, 0.2594 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(174, 151, 204)` looks like.

```
.text, #text, p{  
    color:rgb(174, 151, 204)  
}
```

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(174, 151, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 151, 204) }
```

Border

The CSS property to change the border of an element to Yxy 35.4915, 0.2881, 0.2594 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(174, 151, 204) }
```

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

```
.border{ border-color:rgb(174, 151, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 151, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 151, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 151, 204);  
box-shadow:4px 4px 4px 4px rgb(174, 151,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4915, 0.2881, 0.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 151, 204) }
```

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

```
.background{ background-color: rgb(174,  
151, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor