

Converting Colors

$Y_{xy}(35.8000, 0.2856, 0.2616)$

Have a look what the booklet for
Yxy(35.8000, 0.2856, 0.2616)
contains.

Yxy(35.8000, 0.2856, 0.2616)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8000, 0.2856, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	AB99CC
RGB	171, 153, 204
RGB Percent	67%, 60%, 80%
CMY	0.3294, 0.4000, 0.2001
CMYK	0.16, 0.25, 0.00, 0.20
HSL	261°, 33%, 70%
HSV	261°, 25%, 80%
XYZ	39.0844, 35.8000, 61.9657
YIQ	164.1960, -5.6430, 19.6770

Conversions

Conversions Part 2

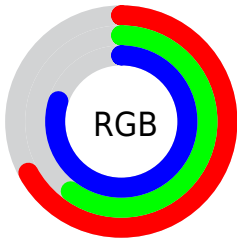
Format	Color
R_{YB}	171, 153, 204
Decimal	11246028
CIE _{Lab}	66.37, 16.78, -23.73
CIE _{LCh}	66, 29.064, 305.273
Yxy	35.8000, 0.2856, 0.2616
Android (android.graphics.Color)	4289436108 (0xFFAB99CC)
YUV	164.1960, 19.6234, 5.9671
Hunter-Lab	59.8331, 11.8925, -19.5201

Details

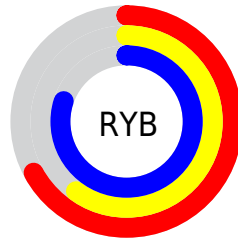
The Yxy color **35.8000, 0.2856, 0.2616** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.9141, 0.3353, 0.3940**, and the grayscale version is **37.1303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1765, 0.2950, 0.2792**, and **15.5563, 0.2761, 0.2423** is the 20% darker color. If you saturate the color by 10%, you get **28.2764, 0.2720, 0.2310**, and if you desaturate by 10%, it is **44.6158, 0.2976, 0.2903**.

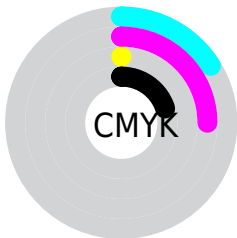
Distribution



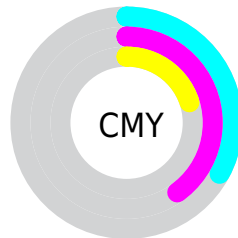
- Red (67%)
- Green (60%)
- Blue (80%)



- Red (67%)
- Yellow (60%)
- Blue (80%)



- Cyan (16%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)




- Cyan (33%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8000, 0.2856, 0.2616 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 35.8000, 0.2856, 0.2616 by changing the saturation by 10% instead.


 35.8000, 0.2856,
0.2616


 35.8000, 0.2856,
0.2616


328.0855, 0.3000,
0.2952

 24.2798, 0.2817,
0.2533


 68.7233, 0.2910,
0.2738

 15.5413, 0.2766,
0.2427


 90.8951, 0.2930,
0.2783

 9.2001, 0.2696,
0.2288


117.3862, 0.2947,
0.2822

 4.8720, 0.2594,
0.2097

148.5811, 0.2961,
0.2856

 2.1723, 0.2435,
0.1822

184.8640, 0.2973,
0.2885

 0.7048, 0.2163,
0.1383

226.6195, 0.2983,

 0.0000, 0.0216,

0.2910

0.0000

274.2319, 0.2992,
0.2932

0.0000, 0.0000,
0.0000

35.8000, 0.2856,
0.2616

35.8000, 0.2856,
0.2616

28.2764, 0.2720,
0.2310

44.6158, 0.2976,
0.2903

21.9784, 0.2571,
0.1995

54.7775, 0.3081,
0.3168

16.8396, 0.2412,
0.1683

66.3410, 0.3170,
0.3406

12.7857, 0.2249,
0.1390

79.3578, 0.3246,
0.3620

9.7333, 0.2090,
0.1136

93.8765, 0.3311,
0.3810

■ 7.5862, 0.1945,
0.0935

■ 96.2345, 0.3398,
0.3796

■ 6.2280, 0.1821,
0.0798

■ 97.1388, 0.3430,
0.3791

■ 5.7383, 0.1767,
0.0747

Harmonies

Analogous

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



35.8000, 0.2511, 0.2583



35.8000, 0.2856, 0.2616



35.8000, 0.3300, 0.2800

Triad

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



35.8000, 0.2856, 0.2616



35.8000, 0.3984, 0.3789



35.8000, 0.2550, 0.3463

Complementary

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



35.8000, 0.2856, 0.2616



55.9141, 0.3353, 0.3940

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.



35.8000, 0.2915, 0.3867



35.8000, 0.2856, 0.2616



35.8000, 0.3749, 0.4034

Square

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



35.8000, 0.2856, 0.2616



35.8000, 0.3979, 0.3447



35.8000, 0.3353, 0.4080



35.8000, 0.2344, 0.3035

Rectangle

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



35.8000, 0.2856, 0.2616



35.8000, 0.3593, 0.2987



35.8000, 0.3353, 0.4080



35.8000, 0.2657, 0.3609

Sweetspot

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



35.8015, 0.2856, 0.2616



87.0109, 0.3060, 0.3114



46.3085, 0.2742, 0.3051



18.3959, 0.3054, 0.3098



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.



35.8015, 0.2856, 0.2616



52.3133, 0.2785, 0.2453



38.9234, 0.3085, 0.2660



11.0335, 0.3037, 0.3054



3.6599, 0.1781, 0.0755



0.2311, 0.2005, 0.0878

Inverse Universe

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



39.1629, 0.3321, 0.2881



58.9005, 0.3375, 0.2789



53.0186, 0.3152, 0.3982



11.3338, 0.3191, 0.3141



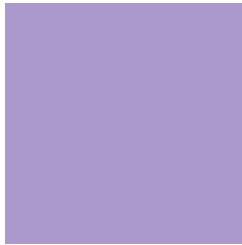
9.1459, 0.4340, 0.2165



0.4859, 0.4064, 0.2013

Previews

White Background



This preview shows how the Yxy color 35.8000, 0.2856, 0.2616 looks on a white background.

Color Contrast Check

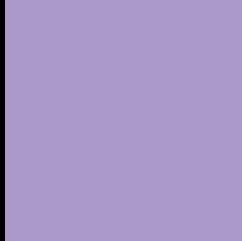
Large Text (above 18pt) WCAG AA × Fail

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 35.8000, 0.2856, 0.2616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

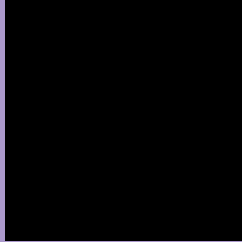
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8000, 0.2856, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 35.8000, 0.2856, 0.2616.



This preview shows how white text looks on a background with the Yxy color 35.8000, 0.2856, 0.2616.

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

35.8000, 0.2856, 0.2616

Protanopia

36.1346, 0.2643, 0.2619

Deuteranopia

35.8334, 0.2739, 0.2674



Tritanopia

35.7742, 0.3069, 0.3105

Trichromacy



Original Color

35.8000, 0.2856, 0.2616

Protanomaly

35.7870, 0.2717, 0.2612

Deuteranomaly

35.6658, 0.2779, 0.2653

Tritanomaly

35.7901, 0.2985, 0.2915

Monochromacy



Original Color

35.8000, 0.2856, 0.2616

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6118, 0.3027, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8000, 0.2856, 0.2616 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(171, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(171, 153, 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(171, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 153, 204) }
```

Border

The CSS property to change the border of an element to Yxy 35.8000, 0.2856, 0.2616 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(171, 153, 204) }
```

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

```
.border{ border-color:rgb(171, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 153, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 153, 204); box-shadow:4px 4px 4px 4px rgb(171, 153, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8000, 0.2856, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 153, 204) }
```

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

```
.background{ background-color: rgb(171,  
153, 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