

Converting Colors

Yxy(34.4417, 0.2799, 0.2453)

Have a look what the booklet for
Yxy(34.4417, 0.2799, 0.2453)
contains.

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Color

Yxy(34.3916, 0.2798, 0.2446)

Conversions

Conversions Part 1

Format	Color
Hex	AC93D4
RGB	172, 147, 212
RGB Percent	67%, 58%, 83%
CMY	0.3253, 0.4236, 0.1685
CMYK	0.19, 0.31, 0.00, 0.17
HSL	263°, 43%, 70%
HSV	263°, 31%, 83%
XYZ	39.3408, 34.3916, 66.8710
YIQ	161.8850, -5.9650, 25.5150

Conversions

Conversions Part 2

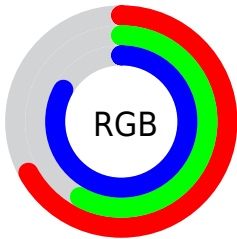
Format	Color
RYB	172, 147, 212
Decimal	11310036
CIELab	65.27, 22.31, -29.88
CIELCh	65, 37.291, 306.753
Yxy	34.3916, 0.2798, 0.2446
Android (android.graphics.Color)	4289500116 (0xFFAC93D4)
YUV	161.8850, 24.7067, 8.8709
Hunter-Lab	58.6444, 17.1169, -26.5562

Details

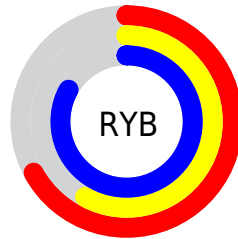
The Yxy color **34.3916, 0.2798, 0.2446** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.7681, 0.3386, 0.4105**, and the grayscale version is **35.9620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4873, 0.2956, 0.2729**, and **14.7220, 0.2692, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **26.9928, 0.2661, 0.2136**, and if you desaturate by 10%, it is **43.1531, 0.2921, 0.2743**.

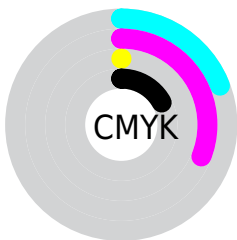
Distribution



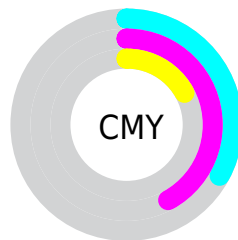
- Red (67%)
- Green (58%)
- Blue (83%)



- Red (67%)
- Yellow (58%)
- Blue (83%)



- Cyan (19%)
- Magenta (31%)
- Yellow (0%)
- Black (17%)





- Cyan (33%)
- Magenta (42%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3916, 0.2798, 0.2446 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 34.3916, 0.2798, 0.2446 by changing the saturation by 10% instead.


 34.3916, 0.2798,
0.2446


 34.3916, 0.2798,
0.2446


321.8747, 0.2975,
0.2863

 23.1946, 0.2750,
0.2345


 66.5422, 0.2865,
0.2596

 14.7373, 0.2687,
0.2217


 88.2645, 0.2889,
0.2652

 8.6352, 0.2601,
0.2051


114.2642, 0.2910,
0.2701

 4.5040, 0.2476,
0.1828

144.9254, 0.2927,
0.2742

 1.9593, 0.2283,
0.1517

180.6327, 0.2942,
0.2778

 0.5837, 0.1969,
0.1020


221.7704, 0.2954,


 0.0000, 0.0281,


0.2810

0.0000


268.7229, 0.2965,
0.2838

 0.0000, 0.0000,
0.0000


 34.3916, 0.2798,
0.2446


 34.3916, 0.2798,
0.2446


 26.9928, 0.2661,
0.2136


 43.1531, 0.2921,
0.2743


 20.8814, 0.2512,
0.1824


 53.3387, 0.3029,
0.3020


 15.9812, 0.2356,
0.1526


 65.0112, 0.3121,
0.3274

 12.2059, 0.2199,
0.1257


 78.2284, 0.3200,
0.3503


 9.4571, 0.2051,
0.1035

 93.0448, 0.3267,
0.3707

 7.6188, 0.1918,
0.0873

 96.6441, 0.3350,
0.3715

 6.5354, 0.1813,
0.0772

 97.5350, 0.3381,
0.3710

Harmonies

Analogous

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



34.3916, 0.2356, 0.2388



34.3916, 0.2798, 0.2446



34.3916, 0.3374, 0.2683

Triad

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



34.3916, 0.2798, 0.2446



34.3916, 0.4226, 0.3929



34.3916, 0.2365, 0.3479

Complementary

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



34.3916, 0.2798, 0.2446



59.7681, 0.3386, 0.4105

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.



34.3916, 0.2816, 0.4035



34.3916, 0.2798, 0.2446



34.3916, 0.3897, 0.4257

Square

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



34.3916, 0.2798, 0.2446



34.3916, 0.4245, 0.3494



34.3916, 0.3377, 0.4328



34.3916, 0.2125, 0.2921

Rectangle

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



34.3916, 0.2798, 0.2446



34.3916, 0.3757, 0.2919



34.3916, 0.3377, 0.4328



34.3916, 0.2496, 0.3678

Sweetspot

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



34.3930, 0.2798, 0.2446



83.6434, 0.3044, 0.3062



46.5373, 0.2651, 0.2958



17.3753, 0.3030, 0.3023



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.



34.3930, 0.2798, 0.2446



44.4587, 0.2707, 0.2239



38.5167, 0.3092, 0.2516



12.2396, 0.3041, 0.3053



4.0870, 0.1827, 0.0780



0.2935, 0.2024, 0.0889

Inverse Universe

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



38.4499, 0.3399, 0.2807



51.7233, 0.3479, 0.2699



56.1340, 0.3139, 0.4171



12.5478, 0.3196, 0.3148



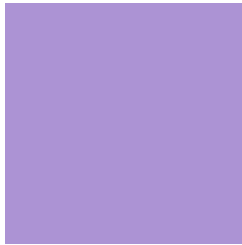
9.6614, 0.4472, 0.2237



0.5987, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 34.3916, 0.2798, 0.2446 looks on a white background.

Color Contrast Check

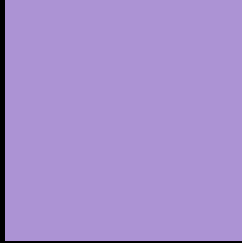
Large Text (above 18pt) WCAG AA × Fail

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 34.3916, 0.2798, 0.2446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

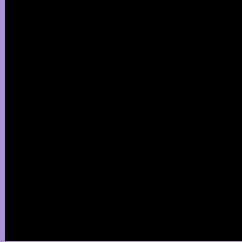
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3916, 0.2798, 0.2446

Background



This preview shows how black text looks on a background with the Yxy color 34.3916, 0.2798, 0.2446.



This preview shows how white text looks on a background with the Yxy color 34.3916, 0.2798, 0.2446.

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

34.3916, 0.2798, 0.2446

Protanopia

34.4669, 0.2504, 0.2431

Deuteranopia

34.5411, 0.2607, 0.2546



Tritanopia

34.4966, 0.3096, 0.3117

Trichromacy



Original Color

34.3916, 0.2798, 0.2446

Protanomaly

34.4157, 0.2609, 0.2444

Deuteranomaly

34.4542, 0.2667, 0.2506

Tritanomaly

34.4586, 0.2985, 0.2859

Monochromacy



Original Color

34.3916, 0.2798, 0.2446

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.5162, 0.3010, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3916, 0.2798, 0.2446 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(172, 147, 212)` looks like.

```
.text, #text, p{  
    color:rgb(172, 147, 212)  
}
```

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(172, 147, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 147, 212) }
```

Border

The CSS property to change the border of an element to Yxy 34.3916, 0.2798, 0.2446 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(172, 147, 212) }
```

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

```
.border{ border-color:rgb(172, 147, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 147, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 147, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 147, 212);  
box-shadow:4px 4px 4px 4px rgb(172, 147,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3916, 0.2798, 0.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 147, 212) }
```

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

```
.background{ background-color: rgb(172,  
147, 212) }
```

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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