

Converting Colors

$Y_{xy}(28.1719, 0.3406, 0.3134)$

Have a look what the booklet for
Yxy(28.1719, 0.3406, 0.3134)
contains.

Yxy(28.2297, 0.3403, 0.3143)	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(28.2297, 0.3403, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	AA8892
RGB	170, 136, 146
RGB Percent	67%, 53%, 57%
CMY	0.3334, 0.4666, 0.4275
CMYK	0.00, 0.20, 0.14, 0.33
HSL	342°, 17%, 60%
HSV	342°, 20%, 67%
XYZ	30.5650, 28.2297, 31.0230
YIQ	147.3060, 17.0540, 10.3180

Conversions

Conversions Part 2

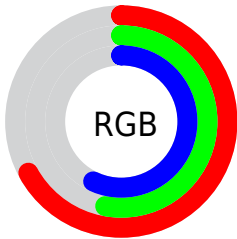
Format	Color
RYB	170, 136, 146
Decimal	11176082
CIELab	60.10, 14.56, -0.41
CIELCh	60, 14.563, 358.406
Yxy	28.2297, 0.3403, 0.3143
Android (android.graphics.Color)	4289366162 (0xFFAA8892)
YUV	147.3060, -0.6439, 19.9026
Hunter-Lab	53.1316, 9.7051, 2.5733

Details

The Yxy color **28.2297, 0.3403, 0.3143** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.5152, 0.2911, 0.3442**, and the grayscale version is **29.3078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7341, 0.3348, 0.3167**, and **11.2820, 0.3488, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **23.4618, 0.3588, 0.3065**, and if you desaturate by 10%, it is **33.7987, 0.3251, 0.3219**.

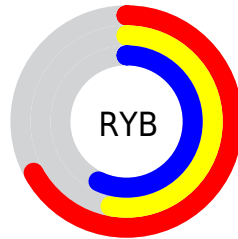
Distribution



Red (67%)

Green (53%)

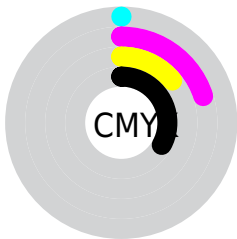
Blue (57%)



Red (67%)

Yellow (53%)

Blue (57%)

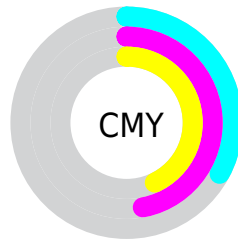


Cyan (0%)

Magenta (20%)

Yellow (14%)

Black (33%)



Cyan (33%)


Magenta (47%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2297, 0.3403, 0.3143 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 28.2297, 0.3403, 0.3143 by changing the saturation by 10% instead.

 28.2297, 0.3403,
0.3143


 28.2297, 0.3403,
0.3143


293.5629, 0.3254,
0.3223

 18.4989, 0.3445,
0.3121


 56.8510, 0.3346,
0.3174

 11.3087, 0.3501,
0.3091


 76.5102, 0.3325,
0.3184

 6.2749, 0.3582,
0.3048


 100.2477, 0.3308,
0.3194

 3.0130, 0.3707,
0.2982

128.4478, 0.3294,
0.3201

 1.1385, 0.3926,
0.2867

161.4950, 0.3281,
0.3208

 0.0106, 0.8787,
0.0255

199.7737, 0.3271,

 0.0000, 0.0000,

0.3213

0.0000

243.6682, 0.3262,
0.3218

■ 28.2297, 0.3403,
0.3143

■ 28.2297, 0.3403,
0.3143

■ 23.4618, 0.3588,
0.3065

■ 33.7987, 0.3251,
0.3219

■ 19.4543, 0.3813,
0.2987

■ 40.1996, 0.3127,
0.3290

■ 16.1687, 0.4081,
0.2915

■ 47.4660, 0.3026,
0.3356

■ 13.5614, 0.4391,
0.2857

■ 55.6286, 0.2943,
0.3417

■ 11.5842, 0.4738,
0.2824

■ 64.7168, 0.2875,
0.3472

■ 10.1825, 0.5102,
0.2827

■ 74.7584, 0.2818,
0.3523

■ 9.2921, 0.5455,
0.2873

■ 85.7800, 0.2772,
0.3569

■ 8.7736, 0.5770,
0.2953

■ 86.4785, 0.2713,
0.3432

■ 8.7727, 0.5771,
0.2953

■ 87.2245, 0.2656,
0.3299

Harmonies

Analogous

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



28.2297, 0.3169, 0.2983



28.2297, 0.3403, 0.3143



28.2297, 0.3564, 0.3343

Triad

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



28.2297, 0.3403, 0.3143



28.2297, 0.3312, 0.3715



28.2297, 0.2673, 0.3018

Complementary

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



28.2297, 0.3403, 0.3143



36.5152, 0.2911, 0.3442

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.



28.2297, 0.2708, 0.3211



28.2297, 0.3403, 0.3143



28.2297, 0.3072, 0.3628

Square

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



28.2297, 0.3403, 0.3143



28.2297, 0.3508, 0.3678



28.2297, 0.2852, 0.3439



28.2297, 0.2753, 0.2907

Rectangle

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



28.2297, 0.3403, 0.3143



28.2297, 0.3605, 0.3476



28.2297, 0.2852, 0.3439



28.2297, 0.2672, 0.3075

Sweetspot

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



28.2310, 0.3403, 0.3143



65.6569, 0.3200, 0.3247



27.9660, 0.3043, 0.2789



14.4825, 0.3208, 0.3243



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.2310, 0.3403, 0.3143



47.2056, 0.3481, 0.3108



29.9089, 0.3495, 0.3392



7.5772, 0.3241, 0.3224



6.4639, 0.5743, 0.2937



0.1661, 0.4830, 0.2435

Inverse Universe

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



28.2310, 0.3403, 0.3143



47.2056, 0.3481, 0.3108



34.3972, 0.2828, 0.3185



7.5772, 0.3241, 0.3224



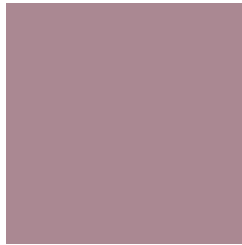
6.4639, 0.5743, 0.2937



0.1661, 0.4830, 0.2435

Previews

White Background



This preview shows how the Yxy color 28.2297, 0.3403, 0.3143 looks on a white background.

Color Contrast Check

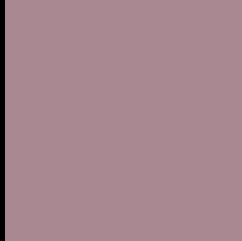
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2297, 0.3403, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

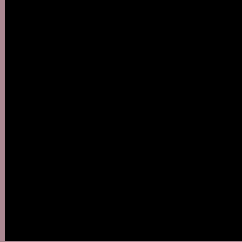
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2297, 0.3403, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 28.2297, 0.3403, 0.3143.



This preview shows how white text looks on a background with the Yxy color 28.2297, 0.3403, 0.3143.

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

28.2297, 0.3403, 0.3143

Protanopia

28.2919, 0.3080, 0.3179

Deuteranopia

28.1714, 0.3284, 0.3213



Tritanopia

28.2297, 0.3403, 0.3143

Trichromacy



Original Color

28.2297, 0.3403, 0.3143

Protanomaly

28.1882, 0.3197, 0.3166

Deuteranomaly

28.2961, 0.3330, 0.3199

Tritanomaly

28.2297, 0.3403, 0.3143

Monochromacy



Original Color

28.2297, 0.3403, 0.3143

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.7201, 0.3215, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2297, 0.3403, 0.3143 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(170, 136, 146)` looks like.

```
.text, #text, p{  
    color:rgb(170, 136, 146)  
}
```

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(170, 136, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 136, 146) }
```

Border

The CSS property to change the border of an element to Yxy 28.2297, 0.3403, 0.3143 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(170, 136, 146) }
```

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

```
.border{ border-color:rgb(170, 136, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 136, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 136, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 136, 146);  
box-shadow:4px 4px 4px 4px rgb(170, 136,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2297, 0.3403, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 136, 146) }
```

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

```
.background{ background-color: rgb(170,  
136, 146) }
```

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