

Converting Colors

$Y_{xy}(28.4435, 0.3426, 0.3320)$

Have a look what the booklet for
Yxy(28.4435, 0.3426, 0.3320)
contains.

Yxy(28.5905, 0.3425, 0.3321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5905, 0.3425, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	A58C8A
RGB	165, 140, 138
RGB Percent	65%, 55%, 54%
CMY	0.3529, 0.4510, 0.4588
CMYK	0.00, 0.15, 0.16, 0.35
HSL	4°, 13%, 59%
HSV	4°, 16%, 65%
XYZ	29.4858, 28.5905, 28.0137
YIQ	147.2470, 15.5420, 4.6780

Conversions

Conversions Part 2

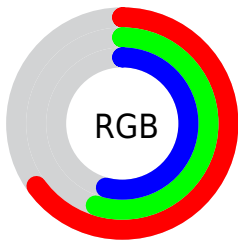
Format	Color
RYB	165, 140, 138
Decimal	10849418
CIELab	60.42, 9.09, 4.55
CIElCh	60, 10.163, 26.611
Yxy	28.5905, 0.3425, 0.3321
Android (android.graphics.Color)	4289039498 (0xFFA58C8A)
YUV	147.2470, -4.5588, 15.5694
Hunter-Lab	53.4701, 4.8604, 6.3662

Details

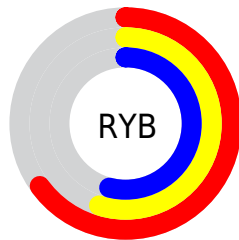
The Yxy color $28.5905, 0.3425, 0.3321$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $34.3278, 0.2884, 0.3259$, and the grayscale version is $29.3010, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.5608, 0.3363, 0.3325$, and $11.5276, 0.3537, 0.3335$ is the 20% darker color. If you saturate the color by 10%, you get $23.9875, 0.3664, 0.3342$, and if you desaturate by 10%, it is $33.8895, 0.3231, 0.3302$.

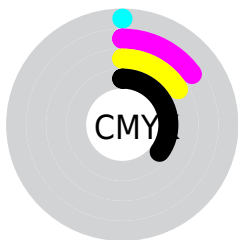
Distribution



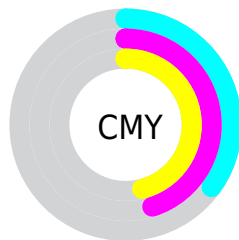
- Red (65%)
- Green (55%)
- Blue (54%)



- Red (65%)
- Yellow (55%)
- Blue (54%)



- Cyan (0%)
- Magenta (15%)
- Yellow (16%)
- Black (35%)





- Cyan (35%)
- Magenta (45%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5905, 0.3425, 0.3321 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 28.5905, 0.3425, 0.3321 by changing the saturation by 10% instead.


 28.5905, 0.3425,
0.3321


 28.5905, 0.3425,
0.3321


295.2779, 0.3263,
0.3306


 18.7713, 0.3470,
0.3325


 57.4258, 0.3363,
0.3316

 11.5051, 0.3532,
0.3329


 77.2107, 0.3340,
0.3314

 6.4077, 0.3621,
0.3334


 101.0863, 0.3322,
0.3312

 3.0945, 0.3758,
0.3340

129.4369, 0.3306,
0.3310

 1.1813, 0.4002,
0.3344

162.6470, 0.3293,
0.3309

 0.0463, 0.8516,
0.1484

201.1009, 0.3282,

 0.0000, 0.0000,

0.3308

0.0000

245.1831, 0.3272,
0.3307

■ 28.5905, 0.3425,
0.3321

■ 28.5905, 0.3425,
0.3321

■ 23.9875, 0.3664,
0.3342

■ 33.8895, 0.3231,
0.3302

■ 20.0480, 0.3955,
0.3362

■ 39.9078, 0.3074,
0.3284

■ 16.7426, 0.4306,
0.3382

■ 46.6721, 0.2946,
0.3267

■ 14.0380, 0.4712,
0.3397

■ 54.2070, 0.2841,
0.3253

■ 11.8981, 0.5158,
0.3404

■ 62.5354, 0.2755,
0.3239

■ 10.2830, 0.5605,
0.3400

■ 71.6799, 0.2683,
0.3227

■ 9.1472, 0.5992,
0.3381

■ 81.6616, 0.2623,
0.3217

■ 8.4367, 0.6263,
0.3352

■ 86.7412, 0.2628,
0.3289

■ 8.2671, 0.6340,
0.3348

Harmonies

Analogous

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



28.5905, 0.3310, 0.3180



28.5905, 0.3425, 0.3321



28.5905, 0.3458, 0.3458

Triad

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



28.5905, 0.3425, 0.3321



28.5905, 0.3100, 0.3528



28.5905, 0.2860, 0.3025

Complementary

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



28.5905, 0.3425, 0.3321



34.3278, 0.2884, 0.3259

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.



28.5905, 0.2808, 0.3110



28.5905, 0.3425, 0.3321



28.5905, 0.2944, 0.3402

Square

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



28.5905, 0.3425, 0.3321



28.5905, 0.3267, 0.3584



28.5905, 0.2838, 0.3247



28.5905, 0.2983, 0.3012

Rectangle

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



28.5905, 0.3425, 0.3321



28.5905, 0.3428, 0.3530



28.5905, 0.2838, 0.3247



28.5905, 0.2833, 0.3046

Sweetspot

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



28.5918, 0.3425, 0.3321



61.9789, 0.3209, 0.3299



28.8339, 0.3164, 0.2920



13.4010, 0.3221, 0.3300



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.5918, 0.3425, 0.3321



47.7488, 0.3515, 0.3329



32.7223, 0.3394, 0.3519



7.1657, 0.3283, 0.3307



6.2836, 0.6331, 0.3355



0.1556, 0.6028, 0.3596

Inverse Universe

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



34.3278, 0.2884, 0.3259



60.1783, 0.2827, 0.3251



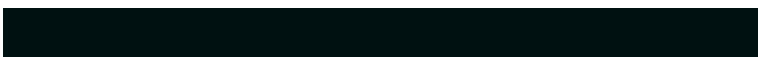
29.8434, 0.2875, 0.3049



7.9218, 0.2988, 0.3273



19.2914, 0.2184, 0.3063



0.4299, 0.2209, 0.3151

Previews

White Background



This preview shows how the Yxy color 28.5905, 0.3425, 0.3321 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 28.5905, 0.3425, 0.3321 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 28.5905, 0.3425, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 28.5905, 0.3425, 0.3321.



This preview shows how white text looks on a background with the Yxy color 28.5905, 0.3425, 0.3321.

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

28.5905, 0.3425, 0.3321

Protanopia

28.6579, 0.3220, 0.3354

Deuteranopia

28.6713, 0.3400, 0.3337



Tritanopia

28.4539, 0.3322, 0.3126

Trichromacy



Original Color

28.5905, 0.3425, 0.3321

Protanomaly

28.5069, 0.3287, 0.3337

Deuteranomaly

28.7772, 0.3411, 0.3337

Tritanomaly

28.6166, 0.3363, 0.3201

Monochromacy



Original Color

28.5905, 0.3425, 0.3321

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.8302, 0.3234, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5905, 0.3425, 0.3321 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(165, 140, 138)` looks like.

```
.text, #text, p{  
    color:rgb(165, 140, 138)  
}
```

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(165, 140, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 140, 138) }
```

Border

The CSS property to change the border of an element to Yxy 28.5905, 0.3425, 0.3321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

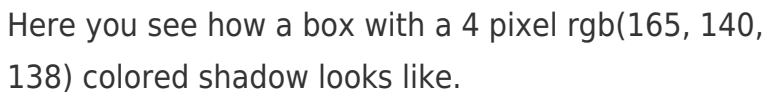
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 140, 138) }
```

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

```
.border{ border-color:rgb(165, 140, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 140, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 140, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 140, 138);  
box-shadow:4px 4px 4px 4px rgb(165, 140,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5905, 0.3425, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 140, 138) }
```

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

```
.background{ background-color: rgb(165,  
140, 138) }
```

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