

Converting Colors

$Y_{xy}(28.2495, 0.3338, 0.3141)$

Have a look what the booklet for
Yxy(28.2495, 0.3338, 0.3141)
contains.

Yxy(28.3905, 0.3343, 0.3156)	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(28.3905, 0.3343, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	A68A93
RGB	166, 138, 147
RGB Percent	65%, 54%, 58%
CMY	0.3492, 0.4587, 0.4236
CMYK	0.00, 0.17, 0.11, 0.35
HSL	341°, 14%, 60%
HSV	341°, 17%, 65%
XYZ	30.0727, 28.3905, 31.4940
YIQ	147.3980, 13.7990, 8.7350

Conversions

Conversions Part 2

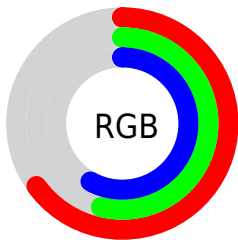
Format	Color
R _Y B	166, 138, 147
Decimal	10914451
CIE Lab	60.24, 12.09, -0.82
CIE LCh	60, 12.115, 356.122
Yxy	28.3905, 0.3343, 0.3156
Android (android.graphics.Color)	4289104531 (0xFFA68A93)
YUV	147.3980, -0.1962, 16.3140
Hunter-Lab	53.2827, 7.5004, 2.2532

Details

The Yxy color **28.3905, 0.3343, 0.3156** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0945, 0.2950, 0.3428**, and the grayscale version is **29.3463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2885, 0.3295, 0.3188**, and **11.4199, 0.3415, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **23.6506, 0.3510, 0.3071**, and if you desaturate by 10%, it is **33.8953, 0.3206, 0.3237**.

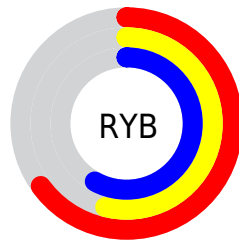
Distribution



Red (65%)

Green (54%)

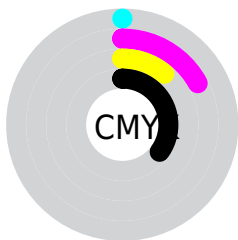
Blue (58%)



Red (65%)

Yellow (54%)

Blue (58%)

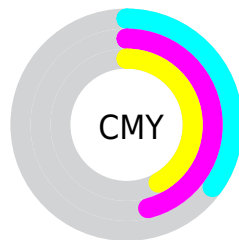


Cyan (0%)

Magenta (17%)

Yellow (11%)

Black (35%)



Cyan (35%)


Magenta (46%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3905, 0.3343, 0.3156 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 28.3905, 0.3343, 0.3156 by changing the saturation by 10% instead.


 28.3905, 0.3343,
0.3156


 28.3905, 0.3343,
0.3156


294.3282, 0.3226,
0.3228


 18.6202, 0.3375,
0.3136


 57.1073, 0.3298,
0.3184

 11.3962, 0.3419,
0.3109


 76.8226, 0.3282,
0.3194

 6.3340, 0.3482,
0.3070


 100.6217, 0.3269,
0.3202

 3.0492, 0.3579,
0.3011

128.8890, 0.3258,
0.3209

 1.1575, 0.3749,
0.2909

162.0090, 0.3248,
0.3215

 0.0266, 0.7396,
0.0613

200.3659, 0.3240,

 0.0000, 0.0000,

0.3220

0.0000

244.3441, 0.3233,
0.3224

■ 28.3905, 0.3343,
0.3156

■ 28.3905, 0.3343,
0.3156

■ 23.6506, 0.3510,
0.3071

■ 33.8953, 0.3206,
0.3237

■ 19.6377, 0.3712,
0.2985

■ 40.1929, 0.3094,
0.3314

■ 16.3168, 0.3954,
0.2904

■ 47.3145, 0.3002,
0.3384

■ 13.6482, 0.4237,
0.2834

■ 55.2886, 0.2927,
0.3449

■ 11.5881, 0.4557,
0.2785

■ 64.1421, 0.2865,
0.3508

■ 10.0873, 0.4902,
0.2770

■ 73.9009, 0.2814,
0.3562

■ 9.0890, 0.5249,
0.2798

■ 84.5898, 0.2771,
0.3611

■ 8.5100, 0.5569,
0.2871

■ 85.7440, 0.2717,
0.3489

■ 8.3615, 0.5667,
0.2895

■ 86.4240, 0.2664,
0.3361

Harmonies

Analogous

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



28.3905, 0.3147, 0.3025



28.3905, 0.3343, 0.3156



28.3905, 0.3482, 0.3323

Triad

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



28.3905, 0.3343, 0.3156



28.3905, 0.3296, 0.3643



28.3905, 0.2747, 0.3076

Complementary

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



28.3905, 0.3343, 0.3156



35.0945, 0.2950, 0.3428

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.



28.3905, 0.2784, 0.3240



28.3905, 0.3343, 0.3156



28.3905, 0.3097, 0.3577

Square

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



28.3905, 0.3343, 0.3156



28.3905, 0.3453, 0.3606



28.3905, 0.2911, 0.3427



28.3905, 0.2807, 0.2975

Rectangle

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



28.3905, 0.3343, 0.3156



28.3905, 0.3522, 0.3435



28.3905, 0.2911, 0.3427



28.3905, 0.2748, 0.3125

Sweetspot

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



28.3918, 0.3343, 0.3156



63.4368, 0.3185, 0.3251



28.0673, 0.3048, 0.2871



14.0309, 0.3193, 0.3246



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.3918, 0.3343, 0.3156



48.3557, 0.3398, 0.3126



29.4860, 0.3429, 0.3361



7.5805, 0.3237, 0.3218



6.4957, 0.5643, 0.2882



0.1673, 0.4733, 0.2381

Inverse Universe

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



28.3918, 0.3343, 0.3156



48.3557, 0.3398, 0.3126



33.7508, 0.2875, 0.3218



7.5805, 0.3237, 0.3218



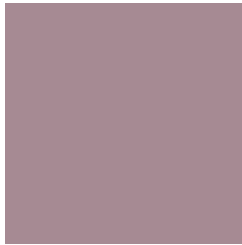
6.4957, 0.5643, 0.2882



0.1673, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 28.3905, 0.3343, 0.3156 looks on a white background.

Color Contrast Check

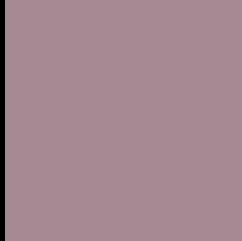
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3905, 0.3343, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

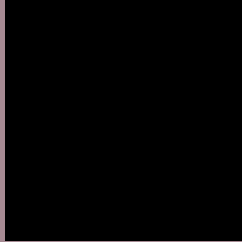
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3905, 0.3343, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 28.3905, 0.3343, 0.3156.



This preview shows how white text looks on a background with the Yxy color 28.3905, 0.3343, 0.3156.

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

28.3905, 0.3343, 0.3156

Protanopia

28.5962, 0.3080, 0.3195

Deuteranopia

28.4960, 0.3272, 0.3214



Tritanopia

28.4539, 0.3322, 0.3126

Trichromacy



Original Color

28.3905, 0.3343, 0.3156

Protanomaly

28.3203, 0.3165, 0.3166

Deuteranomaly

28.5129, 0.3306, 0.3199

Tritanomaly

28.4221, 0.3333, 0.3141

Monochromacy



Original Color

28.3905, 0.3343, 0.3156

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.9231, 0.3204, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3905, 0.3343, 0.3156 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(166, 138, 147)` looks like.

```
.text, #text, p{  
    color:rgb(166, 138, 147)  
}
```

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(166, 138, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 138, 147) }
```

Border

The CSS property to change the border of an element to Yxy 28.3905, 0.3343, 0.3156 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(166, 138, 147) }
```

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

```
.border{ border-color:rgb(166, 138, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 138, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 138, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 138, 147);  
box-shadow:4px 4px 4px 4px rgb(166, 138,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3905, 0.3343, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 138, 147) }
```

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

```
.background{ background-color: rgb(166,  
138, 147) }
```

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