

Converting Colors

$Y_{xy}(28.1586, 0.3200, 0.3121)$

Have a look what the booklet for
Yxy(28.1586, 0.3200, 0.3121)
contains.

Yxy(28.1586, 0.3200, 0.3121)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1586, 0.3200, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	9D8C97
RGB	157, 140, 151
RGB Percent	62%, 55%, 59%
CMY	0.3842, 0.4510, 0.4078
CMYK	0.00, 0.11, 0.04, 0.38
HSL	321°, 8%, 58%
HSV	321°, 11%, 62%
XYZ	28.8714, 28.1586, 33.1930
YIQ	146.3370, 6.6010, 7.0250

Conversions

Conversions Part 2

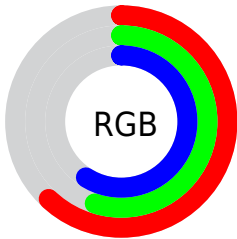
Format	Color
R _Y B	157, 140, 151
Decimal	10325143
CIE Lab	60.03, 8.39, -3.52
CIE LCh	60, 9.092, 337.257
Yxy	28.1586, 0.3200, 0.3121
Android (android.graphics.Color)	4288515223 (0xFF9D8C97)
YUV	146.3370, 2.2989, 9.3515
Hunter-Lab	53.0647, 4.2549, 0.0582

Details

The Yxy color $28.1586, 0.3200, 0.3121$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $31.7711, 0.3061, 0.3465$, and the grayscale version is $28.8798, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9884, 0.3189, 0.3163$, and $11.2966, 0.3233, 0.3069$ is the 20% darker color. If you saturate the color by 10%, you get $23.7179, 0.3280, 0.2958$, and if you desaturate by 10%, it is $33.2651, 0.3132, 0.3277$.

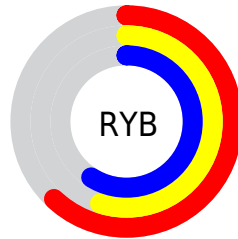
Distribution



Red (62%)

Green (55%)

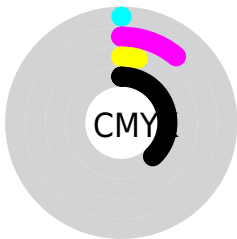
Blue (59%)



Red (62%)

Yellow (55%)

Blue (59%)

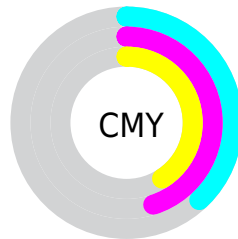


Cyan (0%)

Magenta (11%)

Yellow (4%)

Black (38%)



Cyan (38%)


Magenta (45%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1586, 0.3200, 0.3121 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 28.1586, 0.3200, 0.3121 by changing the saturation by 10% instead.


 28.1586, 0.3200,
0.3121


 28.1586, 0.3200,
0.3121

293.2240, 0.3161,
0.3212


 18.4452, 0.3211,
0.3096


 56.7376, 0.3185,
0.3155

 11.2701, 0.3225,
0.3063


 76.3719, 0.3180,
0.3168

 6.2488, 0.3245,
0.3016

 100.0821, 0.3175,
0.3178

 2.9970, 0.3276,
0.2944

128.2525, 0.3172,
0.3187

 1.1302, 0.3328,
0.2821

161.2675, 0.3168,
0.3195

 0.0035, 0.4512,
0.0076

199.5115, 0.3166,

 0.0000, 0.0000,

0.3201

0.0000

243.3689, 0.3163,
0.3207

■ 28.1586, 0.3200,
0.3121

■ 28.1586, 0.3200,
0.3121

■ 23.7179, 0.3280,
0.2958

■ 33.2651, 0.3132,
0.3277

■ 19.9115, 0.3373,
0.2792

■ 39.0597, 0.3075,
0.3425

■ 16.7110, 0.3481,
0.2628

■ 45.5683, 0.3028,
0.3562

■ 14.0843, 0.3604,
0.2473

■ 52.8143, 0.2988,
0.3689

■ 11.9965, 0.3740,
0.2338

■ 60.8202, 0.2955,
0.3806

■ 10.4086, 0.3887,
0.2232

■ 69.6072, 0.2927,
0.3913

■ 9.2764, 0.4040,
0.2165

■ 79.1961, 0.2905,
0.4011

■ 8.5480, 0.4194,
0.2146

■ 82.6477, 0.2879,
0.3995

■ 8.1201, 0.4335,
0.2162

■ 82.9040, 0.2851,
0.3926

Harmonies

Analogous

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



28.1586, 0.3048, 0.3050



28.1586, 0.3200, 0.3121



28.1586, 0.3335, 0.3235

Triad

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



28.1586, 0.3200, 0.3121



28.1586, 0.3336, 0.3546



28.1586, 0.2848, 0.3204

Complementary

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



28.1586, 0.3200, 0.3121



31.7711, 0.3061, 0.3465

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.



28.1586, 0.2922, 0.3342



28.1586, 0.3200, 0.3121



28.1586, 0.3202, 0.3544

Square

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



28.1586, 0.3200, 0.3121



28.1586, 0.3414, 0.3479



28.1586, 0.3050, 0.3469



28.1586, 0.2848, 0.3094

Rectangle

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



28.1586, 0.3200, 0.3121



28.1586, 0.3396, 0.3321



28.1586, 0.3050, 0.3469



28.1586, 0.2865, 0.3249

Sweetspot

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



28.1598, 0.3200, 0.3121



57.4273, 0.3146, 0.3243



27.2972, 0.3023, 0.3021



12.4761, 0.3151, 0.3231



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.1598, 0.3200, 0.3121



48.3950, 0.3218, 0.3082



27.8949, 0.3287, 0.3251



6.7147, 0.3188, 0.3146



6.6005, 0.4324, 0.2156



0.1258, 0.3784, 0.1858

Inverse Universe

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



28.1598, 0.3200, 0.3121



48.3950, 0.3218, 0.3082



32.0440, 0.2987, 0.3330



6.7147, 0.3188, 0.3146



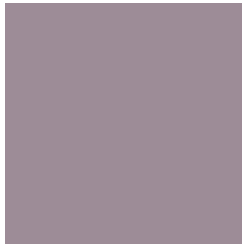
6.6005, 0.4324, 0.2156



0.1258, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 28.1586, 0.3200, 0.3121 looks on a white background.

Color Contrast Check

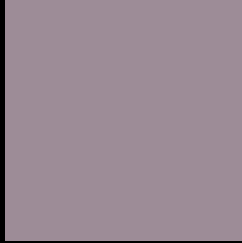
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1586, 0.3200, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

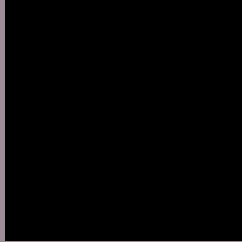
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

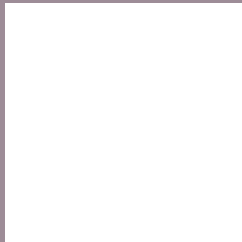
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1586, 0.3200, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 28.1586, 0.3200, 0.3121.



This preview shows how white text looks on a background with the Yxy color 28.1586, 0.3200, 0.3121.

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

28.1586, 0.3200, 0.3121

Protanopia

28.2662, 0.3051, 0.3147

Deuteranopia

28.0585, 0.3189, 0.3121



Tritanopia

28.1586, 0.3200, 0.3121

Trichromacy



Original Color

28.1586, 0.3200, 0.3121

Protanomaly

28.3015, 0.3102, 0.3149

Deuteranomaly

28.0585, 0.3189, 0.3121

Tritanomaly

28.1586, 0.3200, 0.3121

Monochromacy



Original Color

28.1586, 0.3200, 0.3121

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5687, 0.3151, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1586, 0.3200, 0.3121 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(157, 140, 151)` looks like.

```
.text, #text, p{  
    color:rgb(157, 140, 151)  
}
```

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(157, 140, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 140, 151) }
```

Border

The CSS property to change the border of an element to Yxy 28.1586, 0.3200, 0.3121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

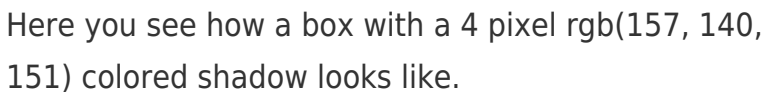
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 140, 151) }
```

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

```
.border{ border-color:rgb(157, 140, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 140, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 140, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 140, 151); box-shadow:4px 4px 4px 4px rgb(157, 140, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1586, 0.3200, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 140, 151) }
```

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

```
.background{ background-color: rgb(157,  
140, 151) }
```

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