

Converting Colors

$Y_{xy}(28.4365, 0.3322, 0.3343)$

Have a look what the booklet for
Yxy(28.4365, 0.3322, 0.3343)
contains.

Yxy(28.3782, 0.3321, 0.3337)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3782, 0.3321, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	9D8E8B
RGB	157, 142, 139
RGB Percent	62%, 56%, 55%
CMY	0.3842, 0.4432, 0.4548
CMYK	0.00, 0.10, 0.11, 0.38
HSL	10°, 8%, 58%
HSV	10°, 11%, 62%
XYZ	28.2421, 28.3782, 28.4207
YIQ	146.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

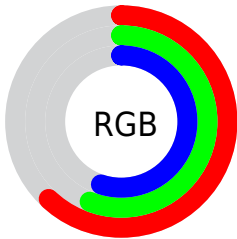
Format	Color
R_{YB}	157, 143, 139
Decimal	10325643
CIE Lab	60.23, 5.08, 3.61
CIE LCh	60, 6.230, 35.436
Yxy	28.3782, 0.3321, 0.3337
Android (android.graphics.Color)	4288515723 (0xFF9D8E8B)
YUV	146.1430, -3.5215, 9.5216
Hunter-Lab	53.2712, 1.4086, 5.6580

Details

The Yxy color **28.3782, 0.3321, 0.3337** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **31.0517, 0.2955, 0.3243**, and the grayscale version is **28.8199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2827, 0.3286, 0.3337**, and **11.4397, 0.3398, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **24.2799, 0.3529, 0.3381**, and if you desaturate by 10%, it is **33.0035, 0.3150, 0.3296**.

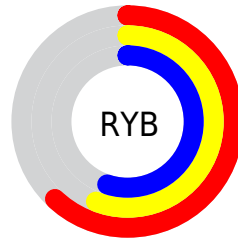
Distribution



Red (62%)

Green (56%)

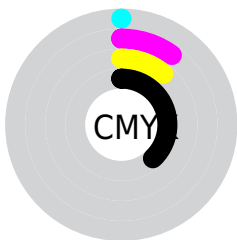
Blue (55%)



Red (62%)

Yellow (56%)

Blue (55%)

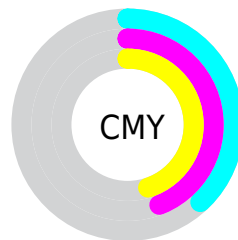


Cyan (0%)

Magenta (10%)

Yellow (11%)

Black (38%)



Cyan (38%)


Magenta (44%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3782, 0.3321, 0.3337 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 28.3782, 0.3321, 0.3337 by changing the saturation by 10% instead.


 28.3782, 0.3321,
0.3337


 28.3782, 0.3321,
0.3337


294.2697, 0.3216,
0.3312


 18.6109, 0.3351,
0.3344


 57.0877, 0.3280,
0.3328

 11.3895, 0.3391,
0.3352


 76.7987, 0.3266,
0.3324

 6.3295, 0.3448,
0.3364


 100.5931, 0.3254,
0.3322

 3.0464, 0.3538,
0.3382

128.8553, 0.3244,
0.3319

 1.1560, 0.3698,
0.3410

161.9697, 0.3235,
0.3317

 0.0253, 0.8538,
0.1462

200.3206, 0.3228,

 0.0000, 0.0000,

0.3315

0.0000

244.2925, 0.3221,
0.3314

■ 28.3782, 0.3321,
0.3337

■ 28.3782, 0.3321,
0.3337

■ 24.2799, 0.3529,
0.3381

■ 33.0035, 0.3150,
0.3296

■ 20.6861, 0.3779,
0.3426

■ 38.1697, 0.3008,
0.3258

■ 17.5784, 0.4079,
0.3471

■ 43.8949, 0.2891,
0.3223

■ 14.9359, 0.4429,
0.3511

■ 50.1951, 0.2794,
0.3192

■ 12.7359, 0.4824,
0.3540

■ 57.0859, 0.2712,
0.3163

■ 10.9539, 0.5243,
0.3550

■ 64.5821, 0.2643,
0.3137

■ 9.5631, 0.5649,
0.3535

■ 72.6981, 0.2585,
0.3114

■ 8.5334, 0.5991,
0.3490

■ 80.8115, 0.2578,
0.3197

■ 7.9082, 0.6219,
0.3444

■ 85.9106, 0.2592,
0.3288

Harmonies

Analogous

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



28.3782, 0.3264, 0.3247



28.3782, 0.3321, 0.3337



28.3782, 0.3325, 0.3416

Triad

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



28.3782, 0.3321, 0.3337



28.3782, 0.3081, 0.3415



28.3782, 0.2981, 0.3119

Complementary

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



28.3782, 0.3321, 0.3337



31.0517, 0.2955, 0.3243

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.



28.3782, 0.2934, 0.3161



28.3782, 0.3321, 0.3337



28.3782, 0.2991, 0.3332

Square

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



28.3782, 0.3321, 0.3337



28.3782, 0.3185, 0.3464



28.3782, 0.2937, 0.3238



28.3782, 0.3067, 0.3123

Rectangle

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



28.3782, 0.3321, 0.3337



28.3782, 0.3296, 0.3453



28.3782, 0.2937, 0.3238



28.3782, 0.2960, 0.3128

Sweetspot

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



28.3795, 0.3321, 0.3337



57.7064, 0.3175, 0.3302



27.9842, 0.3167, 0.3056



12.5522, 0.3187, 0.3305



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.



28.3795, 0.3321, 0.3337



48.6586, 0.3375, 0.3349



31.0787, 0.3305, 0.3471



6.8147, 0.3280, 0.3328



6.4595, 0.6208, 0.3453



0.1590, 0.5636, 0.3907

Inverse Universe

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



31.0517, 0.2955, 0.3243



54.4985, 0.2914, 0.3230



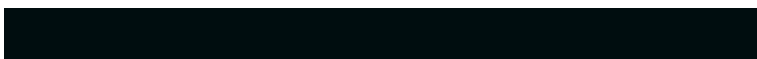
28.2738, 0.2953, 0.3102



7.3226, 0.2988, 0.3252



15.2136, 0.2102, 0.2766



0.3173, 0.2166, 0.2996

Previews

White Background



This preview shows how the Yxy color 28.3782, 0.3321, 0.3337 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 28.3782, 0.3321, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

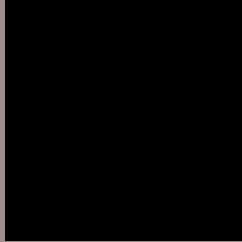
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3782, 0.3321, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 28.3782, 0.3321, 0.3337.



This preview shows how white text looks on a background with the Yxy color 28.3782, 0.3321, 0.3337.

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

28.3782, 0.3321, 0.3337

Protanopia

28.5338, 0.3219, 0.3370

Deuteranopia

28.1973, 0.3369, 0.3306



Tritanopia

28.3615, 0.3221, 0.3122

Trichromacy



Original Color

28.3782, 0.3321, 0.3337

Protanomaly

28.5154, 0.3253, 0.3354

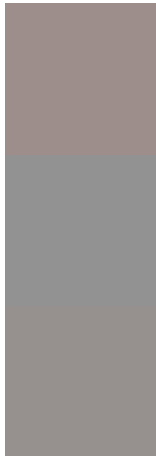
Deuteranomaly

28.3874, 0.3356, 0.3322

Tritanomaly

28.4254, 0.3250, 0.3198

Monochromacy



Original Color

28.3782, 0.3321, 0.3337

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.7180, 0.3200, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3782, 0.3321, 0.3337 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, 142, 139)` looks like.

```
.text, #text, p{  
    color:rgb(157, 142, 139)  
}
```

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, 142, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 142, 139) }
```

Border

The CSS property to change the border of an element to Yxy 28.3782, 0.3321, 0.3337 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, 142, 139) }
```

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

```
.border{ border-color:rgb(157, 142, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 142, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 142, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 142, 139); box-shadow:4px 4px 4px 4px rgb(157, 142, 139) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3782, 0.3321, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 142, 139) }
```

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

```
.background{ background-color: rgb(157,  
142, 139) }
```

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