

Converting Colors

$Y_{xy}(27.1885, 0.3298, 0.3219)$

Have a look what the booklet for
Yxy(27.1885, 0.3298, 0.3219)
contains.

Yxy(27.2981, 0.3296, 0.3228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2981, 0.3296, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	9D8A8E
RGB	157, 138, 142
RGB Percent	62%, 54%, 56%
CMY	0.3844, 0.4588, 0.4431
CMYK	0.00, 0.12, 0.10, 0.38
HSL	347°, 9%, 58%
HSV	347°, 12%, 62%
XYZ	27.8732, 27.2981, 29.3954
YIQ	144.1370, 10.0400, 5.2720

Conversions

Conversions Part 2

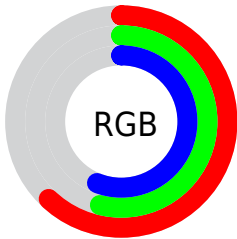
Format	Color
R _Y B	157, 138, 142
Decimal	10324622
CIE Lab	59.25, 7.84, 0.48
CIE LCh	59, 7.854, 3.493
Yxy	27.2981, 0.3296, 0.3228
Android (android.graphics.Color)	4288514702 (0xFF9D8A8E)
YUV	144.1370, -1.0535, 11.2809
Hunter-Lab	52.2476, 3.7933, 3.2158

Details

The Yxy color $27.2981, 0.3296, 0.3228$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $31.8103, 0.2981, 0.3353$, and the grayscale version is $27.9493, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2442, 0.3261, 0.3232$, and $10.8163, 0.3363, 0.3201$ is the 20% darker color. If you saturate the color by 10%, you get $22.7636, 0.3471, 0.3173$, and if you desaturate by 10%, it is $32.5274, 0.3153, 0.3280$.

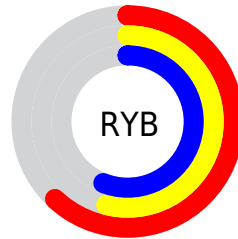
Distribution



Red (62%)

Green (54%)

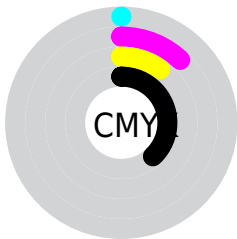
Blue (56%)



Red (62%)

Yellow (54%)

Blue (56%)

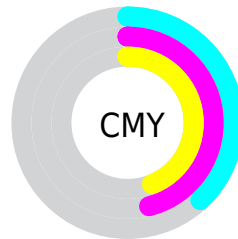


Cyan (0%)

Magenta (12%)

Yellow (10%)

Black (38%)



Cyan (38%)

Magenta (46%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2981, 0.3296, 0.3228 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 27.2981, 0.3296, 0.3228 by changing the saturation by 10% instead.

 27.2981, 0.3296,
0.3228


 27.2981, 0.3296,
0.3228


289.0976, 0.3204,
0.3262


 17.7972, 0.3322,
0.3218


 55.3619, 0.3260,
0.3241

 10.8045, 0.3357,
0.3205


 74.6935, 0.3248,
0.3246

 5.9355, 0.3408,
0.3186

 98.0709, 0.3237,
0.3250

 2.8059, 0.3488,
0.3156

125.8784, 0.3229,
0.3253

 1.0313, 0.3632,
0.3101

158.5005, 0.3221,
0.3256

 0.0000, 1.0000,
0.0000

196.3214, 0.3215,

 0.0000, 0.0000,

0.3258

0.0000

239.7256, 0.3209,
0.3260

■ 27.2981, 0.3296,
0.3228

■ 27.2981, 0.3296,
0.3228

■ 22.7636, 0.3471,
0.3173

■ 32.5274, 0.3153,
0.3280

■ 18.8912, 0.3687,
0.3117

■ 38.4754, 0.3037,
0.3328

■ 15.6508, 0.3948,
0.3062

■ 45.1692, 0.2943,
0.3371

■ 13.0088, 0.4259,
0.3014

■ 52.6333, 0.2865,
0.3411

■ 10.9281, 0.4618,
0.2978

■ 60.8914, 0.2802,
0.3448

■ 9.3678, 0.5011,
0.2965

■ 69.9658, 0.2749,
0.3481

■ 8.2812, 0.5410,
0.2983

■ 79.8783, 0.2705,
0.3511

■ 7.6133, 0.5773,
0.3037

■ 85.0432, 0.2656,
0.3445

■ 7.2765, 0.6018,
0.3089

■ 85.8093, 0.2599,
0.3305

Harmonies

Analogous

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



27.2981, 0.3174, 0.3132



27.2981, 0.3296, 0.3228



27.2981, 0.3372, 0.3342

Triad

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



27.2981, 0.3296, 0.3228



27.2981, 0.3209, 0.3515



27.2981, 0.2879, 0.3129

Complementary

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



27.2981, 0.3296, 0.3228



31.8103, 0.2981, 0.3353

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.



27.2981, 0.2888, 0.3230



27.2981, 0.3296, 0.3228



27.2981, 0.3076, 0.3457

Square

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



27.2981, 0.3296, 0.3228



27.2981, 0.3321, 0.3509



27.2981, 0.2960, 0.3351



27.2981, 0.2935, 0.3074

Rectangle

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



27.2981, 0.3296, 0.3228



27.2981, 0.3387, 0.3413



27.2981, 0.2960, 0.3351



27.2981, 0.2875, 0.3159

Sweetspot

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



27.2993, 0.3296, 0.3228



56.3021, 0.3179, 0.3270



27.3732, 0.3097, 0.2997



12.2371, 0.3189, 0.3266



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.



27.2993, 0.3296, 0.3228



46.1675, 0.3348, 0.3211



28.7620, 0.3328, 0.3374



6.6679, 0.3253, 0.3243



5.9162, 0.6000, 0.3079



0.1112, 0.5068, 0.2565

Inverse Universe

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



27.2993, 0.3296, 0.3228



46.1675, 0.3348, 0.3211



30.1662, 0.2946, 0.3204



6.6679, 0.3253, 0.3243



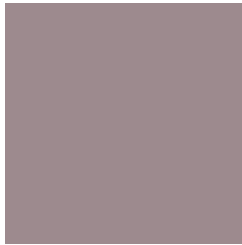
5.9162, 0.6000, 0.3079



0.1112, 0.5068, 0.2565

Previews

White Background



This preview shows how the Yxy color 27.2981, 0.3296, 0.3228 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 27.2981, 0.3296, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

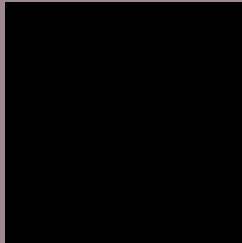
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2981, 0.3296, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 27.2981, 0.3296, 0.3228.



This preview shows how white text looks on a background with the Yxy color 27.2981, 0.3296, 0.3228.

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

27.2981, 0.3296, 0.3228

Protanopia

27.3794, 0.3139, 0.3258

Deuteranopia

27.2981, 0.3296, 0.3228



Tritanopia

27.2985, 0.3245, 0.3121

Trichromacy



Original Color

27.2981, 0.3296, 0.3228

Protanomaly

27.4225, 0.3193, 0.3258

Deuteranomaly

27.2981, 0.3296, 0.3228

Tritanomaly

27.2357, 0.3267, 0.3151

Monochromacy



Original Color

27.2981, 0.3296, 0.3228

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7187, 0.3192, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2981, 0.3296, 0.3228 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, 138, 142)` looks like.

```
.text, #text, p{  
    color:rgb(157, 138, 142)  
}
```

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, 138, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 138, 142) }
```

Border

The CSS property to change the border of an element to Yxy 27.2981, 0.3296, 0.3228 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, 138, 142) }
```

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

```
.border{ border-color:rgb(157, 138, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 138, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 138, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 138, 142);  
box-shadow:4px 4px 4px 4px rgb(157, 138,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2981, 0.3296, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 138, 142) }
```

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

```
.background{ background-color: rgb(157,  
138, 142) }
```

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