

Converting Colors

$Y_{xy}(30.3975, 0.2995, 0.2892)$

Have a look what the booklet for
Yxy(30.3975, 0.2995, 0.2892)
contains.

Yxy(30.3975, 0.2995, 0.2892)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3975, 0.2995, 0.2892)

Conversions

Conversions Part 1

Format	Color
Hex	9D91AC
RGB	157, 145, 172
RGB Percent	62%, 57%, 67%
CMY	0.3842, 0.4314, 0.3255
CMYK	0.09, 0.16, 0.00, 0.33
HSL	267°, 14%, 62%
HSV	267°, 16%, 67%
XYZ	31.4801, 30.3975, 43.2313
YIQ	151.6660, -1.5150, 10.9410

Conversions

Conversions Part 2

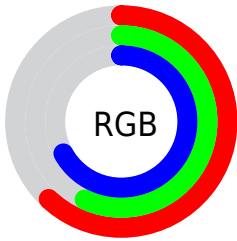
Format	Color
RYB	157, 145, 172
Decimal	10326444
CIELab	62.00, 9.75, -12.52
CIElCh	62, 15.872, 307.914
Yxy	30.3975, 0.2995, 0.2892
Android (android.graphics.Color)	4288516524 (0xFF9D91AC)
YUV	151.6660, 10.0247, 4.6779
Hunter-Lab	55.1339, 5.4348, -7.8964

Details

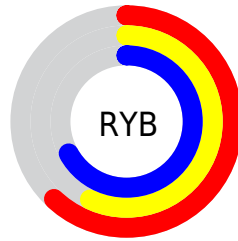
The Yxy color $30.3975, 0.2995, 0.2892$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $39.0129, 0.3244, 0.3685$, and the grayscale version is $31.2066, 0.3127, 0.3290$.

A 20% lighter version of the original color is $60.3899, 0.3028, 0.2976$, and $12.6047, 0.2949, 0.2769$ is the 20% darker color. If you saturate the color by 10%, you get $24.6132, 0.2894, 0.2613$, and if you desaturate by 10%, it is $37.0549, 0.3083, 0.3152$.

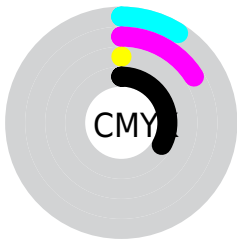
Distribution



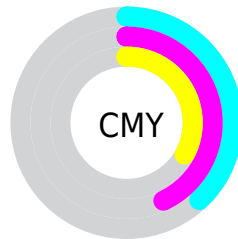
- Red (62%)
- Green (57%)
- Blue (67%)



- Red (62%)
- Yellow (57%)
- Blue (67%)



- Cyan (9%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (38%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3975, 0.2995, 0.2892 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 30.3975, 0.2995, 0.2892 by changing the saturation by 10% instead.

■ 30.3975, 0.2995,
0.2892

■ 30.3975, 0.2995,
0.2892

303.7529, 0.3067,
0.3100

■ 20.1405, 0.2975,
0.2837

■ 60.2902, 0.3023,
0.2970

■ 12.4972, 0.2947,
0.2764

■ 80.6948, 0.3033,
0.2998

■ 7.0833, 0.2908,
0.2665

105.2506, 0.3041,
0.3022

■ 3.5142, 0.2847,
0.2518

134.3421, 0.3048,
0.3043

■ 1.4057, 0.2743,
0.2286

168.3537, 0.3054,
0.3060

■ 0.2209, 0.2499,
0.1232

207.6698, 0.3059,

■ 0.0000, 0.0000,

0.3075

0.0000

252.6747, 0.3063,
0.3088

■ 30.3975, 0.2995,
0.2892

■ 30.3975, 0.2995,
0.2892

■ 24.6132, 0.2894,
0.2613

■ 37.0549, 0.3083,
0.3152

■ 19.6606, 0.2779,
0.2318

■ 44.6164, 0.3158,
0.3390

■ 15.5010, 0.2651,
0.2018

■ 53.1165, 0.3222,
0.3604

■ 12.0909, 0.2514,
0.1723

■ 62.5866, 0.3275,
0.3797

■ 9.3823, 0.2372,
0.1449

■ 73.0565, 0.3320,
0.3969

7.3216, 0.2231,
0.1209

84.5549, 0.3357,
0.4122

5.8471, 0.2097,
0.1019

90.3024, 0.3408,
0.4167

4.8797, 0.1976,
0.0884

91.8653, 0.3472,
0.4148

4.5437, 0.1928,
0.0836

93.5149, 0.3537,
0.4129

Harmonies

Analogous

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



30.3975, 0.2780, 0.2868



30.3975, 0.2995, 0.2892



30.3975, 0.3254, 0.3011

Triad

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



30.3975, 0.2995, 0.2892



30.3975, 0.3616, 0.3609



30.3975, 0.2776, 0.3371

Complementary

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



30.3975, 0.2995, 0.2892



39.0129, 0.3244, 0.3685

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.



30.3975, 0.2988, 0.3595



30.3975, 0.2995, 0.2892



30.3975, 0.3475, 0.3729

Square

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



30.3975, 0.2995, 0.2892



30.3975, 0.3621, 0.3414



30.3975, 0.3244, 0.3728



30.3975, 0.2658, 0.3133

Rectangle

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



30.3975, 0.2995, 0.2892



30.3975, 0.3417, 0.3131



30.3975, 0.3244, 0.3728



30.3975, 0.2838, 0.3452

Sweetspot

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



30.3988, 0.2995, 0.2892



68.0165, 0.3088, 0.3167



34.2400, 0.2887, 0.3114



14.5908, 0.3082, 0.3150



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.3988, 0.2995, 0.2892



51.1499, 0.2960, 0.2792



31.7944, 0.3127, 0.2908



7.9255, 0.3053, 0.3060



3.4134, 0.1938, 0.0841



0.1277, 0.2299, 0.1040

Inverse Universe

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



31.5548, 0.3263, 0.3076



53.6970, 0.3300, 0.3024



37.7287, 0.3124, 0.3700



8.0868, 0.3203, 0.3165



7.1567, 0.4702, 0.2364



0.2099, 0.4138, 0.2053

Previews

White Background



This preview shows how the Yxy color 30.3975, 0.2995, 0.2892 looks on a white background.

Color Contrast Check

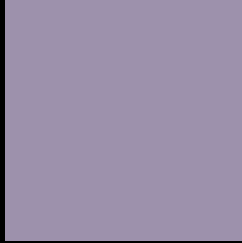
Large Text (above 18pt) WCAG AA × Fail

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 30.3975, 0.2995, 0.2892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

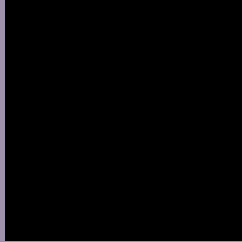
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3975, 0.2995, 0.2892

Background



This preview shows how black text looks on a background with the Yxy color 30.3975, 0.2995, 0.2892.



This preview shows how white text looks on a background with the Yxy color 30.3975, 0.2995, 0.2892.

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

30.3975, 0.2995, 0.2892

Protanopia

30.5706, 0.2863, 0.2912

Deuteranopia

30.4064, 0.2965, 0.2904



Tritanopia

30.3392, 0.3095, 0.3108

Trichromacy



Original Color

30.3975, 0.2995, 0.2892

Protanomaly

30.5865, 0.2909, 0.2915

Deuteranomaly

30.5049, 0.2975, 0.2905

Tritanomaly

30.3060, 0.3058, 0.3020

Monochromacy



Original Color

30.3975, 0.2995, 0.2892

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8681, 0.3084, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3975, 0.2995, 0.2892 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, 145, 172)` looks like.

```
.text, #text, p{  
    color:rgb(157, 145, 172)  
}
```

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, 145, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 145, 172) }
```

Border

The CSS property to change the border of an element to Yxy 30.3975, 0.2995, 0.2892 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, 145, 172) }
```

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

```
.border{ border-color:rgb(157, 145, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 145, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 145, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 145, 172); box-shadow:4px 4px 4px 4px rgb(157, 145, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3975, 0.2995, 0.2892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 145, 172) }
```

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

```
.background{ background-color: rgb(157,  
145, 172) }
```

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