

Converting Colors

$Y_{xy}(30.0212, 0.3283, 0.3372)$

Have a look what the booklet for
Yxy(30.0212, 0.3283, 0.3372)
contains.

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Color

Yxy(29.9885, 0.3281, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	9D938E
RGB	157, 147, 142
RGB Percent	62%, 58%, 56%
CMY	0.3845, 0.4235, 0.4432
CMYK	0.00, 0.06, 0.10, 0.38
HSL	20°, 7%, 59%
HSV	20°, 10%, 62%
XYZ	29.2139, 29.9885, 29.8371
YIQ	149.4200, 7.5650, 0.5650

Conversions

Conversions Part 2

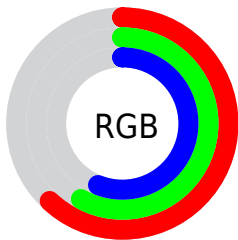
Format	Color
RYB	157, 150, 142
Decimal	10326926
CIELab	61.64, 2.76, 3.96
CIELCh	62, 4.829, 55.161
Yxy	29.9885, 0.3281, 0.3368
Android (android.graphics.Color)	4288517006 (0xFF9D938E)
YUV	149.4200, -3.6581, 6.6477
Hunter-Lab	54.7618, -0.6083, 6.0289

Details

The Yxy color **29.9885, 0.3281, 0.3368** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **30.6171, 0.2984, 0.3211**, and the grayscale version is **30.2527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7559, 0.3250, 0.3348**, and **12.2026, 0.3340, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **26.4541, 0.3470, 0.3455**, and if you desaturate by 10%, it is **33.8858, 0.3120, 0.3286**.

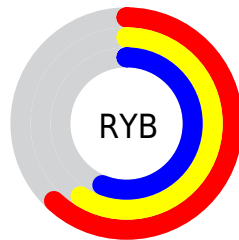
Distribution



Red (62%)

Green (58%)

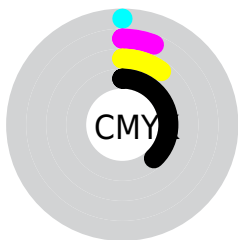
Blue (56%)



Red (62%)

Yellow (59%)

Blue (56%)

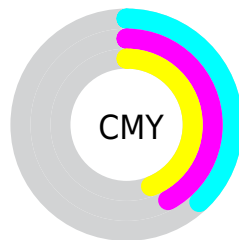


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (38%)



Cyan (38%)


Magenta (42%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9885, 0.3281, 0.3368 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 29.9885, 0.3281, 0.3368 by changing the saturation by 10% instead.


 29.9885, 0.3281,
0.3368


 29.9885, 0.3281,
0.3368


301.8508, 0.3198,
0.3327

 19.8299, 0.3304,
0.3379


 59.6440, 0.3249,
0.3352

 12.2714, 0.3335,
0.3394


 79.9096, 0.3238,
0.3347

 6.9288, 0.3379,
0.3415


104.3131, 0.3229,
0.3342

 3.4176, 0.3446,
0.3447

133.2387, 0.3221,
0.3338

 1.3535, 0.3563,
0.3500

167.0709, 0.3214,
0.3334

 0.1820, 0.5690,
0.4310

206.1940, 0.3208,

 0.0000, 0.0000,

0.3332

0.0000

250.9926, 0.3203,
0.3329

■ 29.9885, 0.3281,
0.3368

■ 29.9885, 0.3281,
0.3368

■ 26.4541, 0.3470,
0.3455

■ 33.8858, 0.3120,
0.3286

■ 23.2680, 0.3691,
0.3545

■ 38.1520, 0.2984,
0.3211

■ 20.4206, 0.3947,
0.3635

■ 42.7982, 0.2867,
0.3141

■ 17.9002, 0.4240,
0.3720

■ 47.8336, 0.2768,
0.3077

■ 15.6944, 0.4563,
0.3791

■ 53.2672, 0.2683,
0.3019

■ 13.7901, 0.4907,
0.3838

■ 59.1076, 0.2610,
0.2966

■ 12.1729, 0.5251,
0.3848

■ 65.3633, 0.2546,
0.2918

■ 10.8271, 0.5566,
0.3813

■ 71.2069, 0.2550,
0.3008

■ 9.7299, 0.5837,
0.3741

■ 77.1973, 0.2568,
0.3129

Harmonies

Analogous

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



29.9885, 0.3264, 0.3303



29.9885, 0.3281, 0.3368



29.9885, 0.3256, 0.3414

Triad

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



29.9885, 0.3281, 0.3368



29.9885, 0.3045, 0.3346



29.9885, 0.3057, 0.3157

Complementary

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



29.9885, 0.3281, 0.3368



30.6171, 0.2984, 0.3211

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.



29.9885, 0.2999, 0.3167



29.9885, 0.3281, 0.3368



29.9885, 0.2992, 0.3275

Square

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



29.9885, 0.3281, 0.3368



29.9885, 0.3119, 0.3401



29.9885, 0.2976, 0.3210



29.9885, 0.3134, 0.3183

Rectangle

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



29.9885, 0.3281, 0.3368



29.9885, 0.3220, 0.3426



29.9885, 0.2976, 0.3210



29.9885, 0.3034, 0.3157

Sweetspot

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



29.9898, 0.3281, 0.3368



58.1877, 0.3174, 0.3314



28.7739, 0.3187, 0.3137



12.6839, 0.3186, 0.3321



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.



29.9898, 0.3281, 0.3368



52.6334, 0.3311, 0.3382



32.3804, 0.3269, 0.3481



6.9921, 0.3276, 0.3366



7.9324, 0.5835, 0.3749



0.2156, 0.5140, 0.4301

Inverse Universe

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



30.6171, 0.2984, 0.3211



53.9405, 0.2958, 0.3196



28.2777, 0.2983, 0.3092



7.1338, 0.2988, 0.3213



10.1327, 0.1938, 0.2177



0.2559, 0.2076, 0.2675

Previews

White Background



This preview shows how the Yxy color 29.9885, 0.3281, 0.3368 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 29.9885, 0.3281, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

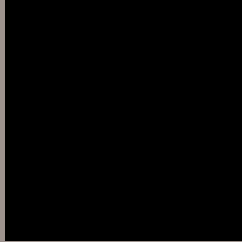
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9885, 0.3281, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 29.9885, 0.3281, 0.3368.



This preview shows how white text looks on a background with the Yxy color 29.9885, 0.3281, 0.3368.

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

29.9885, 0.3281, 0.3368

Protanopia

29.9353, 0.3228, 0.3368

Deuteranopia

30.0367, 0.3374, 0.3306



Tritanopia

30.0220, 0.3166, 0.3124

Trichromacy



Original Color

29.9885, 0.3281, 0.3368

Protanomaly

30.0330, 0.3238, 0.3368

Deuteranomaly

30.0205, 0.3339, 0.3321

Tritanomaly

30.0612, 0.3204, 0.3214

Monochromacy



Original Color

29.9885, 0.3281, 0.3368

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.9305, 0.3188, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9885, 0.3281, 0.3368 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, 147, 142)` looks like.

```
.text, #text, p{  
    color:rgb(157, 147, 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, 147, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 147, 142) }
```

Border

The CSS property to change the border of an element to Yxy 29.9885, 0.3281, 0.3368 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, 147, 142) }
```

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

```
.border{ border-color:rgb(157, 147, 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, 147, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 147, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 147, 142);  
box-shadow:4px 4px 4px 4px rgb(157, 147,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9885, 0.3281, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 147, 142) }
```

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

```
.background{ background-color: rgb(157,  
147, 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](#).

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