

Converting Colors

$Y_{xy}(28.8560, 0.2995, 0.3015)$

Have a look what the booklet for
Yxy(28.8560, 0.2995, 0.3015)
contains.

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Color

Yxy(28.8511, 0.2997, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	9490A2
RGB	148, 144, 162
RGB Percent	58%, 56%, 64%
CMY	0.4196, 0.4353, 0.3648
CMYK	0.09, 0.11, 0.00, 0.36
HSL	253°, 9%, 60%
HSV	253°, 11%, 64%
XYZ	28.7074, 28.8511, 38.2287
YIQ	147.2480, -3.3940, 6.4460

Conversions

Conversions Part 2

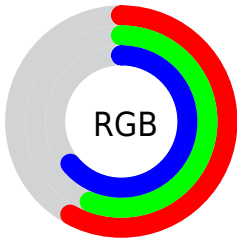
Format	Color
R_{YB}	148, 144, 162
Decimal	9736354
CIE Lab	60.65, 5.08, -8.94
CIE LCh	61, 10.283, 299.628
Yxy	28.8511, 0.2997, 0.3012
Android (android.graphics.Color)	4287926434 (0xFF9490A2)
YUV	147.2480, 7.2727, 0.6595
Hunter-Lab	53.7132, 1.4025, -4.5985

Details

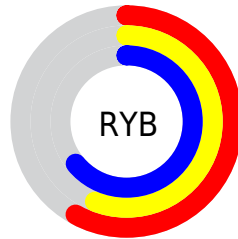
The Yxy color **28.8511, 0.2997, 0.3012** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1139, 0.3249, 0.3560**, and the grayscale version is **29.2567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9545, 0.3022, 0.3069**, and **11.6726, 0.2951, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **23.1816, 0.2862, 0.2733**, and if you desaturate by 10%, it is **35.3547, 0.3115, 0.3264**.

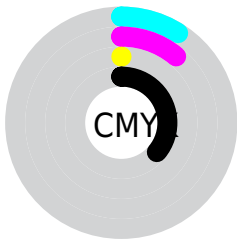
Distribution



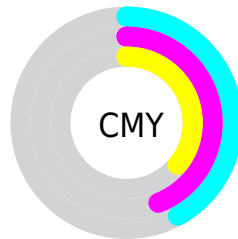
- Red (58%)
- Green (56%)
- Blue (64%)



- Red (58%)
- Yellow (56%)
- Blue (64%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (36%)





- Cyan (42%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8511, 0.2997, 0.3012 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 28.8511, 0.2997, 0.3012 by changing the saturation by 10% instead.


 28.8511, 0.2997,
0.3012


 28.8511, 0.2997,
0.3012


296.5118, 0.3068,
0.3160

 18.9682, 0.2977,
0.2972


 57.8404, 0.3024,
0.3068

 11.6473, 0.2950,
0.2918


 77.7157, 0.3034,
0.3089

 6.5040, 0.2912,
0.2842


101.6905, 0.3042,
0.3105

 3.1539, 0.2852,
0.2729

130.1492, 0.3049,
0.3120

 1.2126, 0.2748,
0.2539

163.4763, 0.3055,
0.3132

 0.0720, 0.1989,
0.0744

202.0562, 0.3060,

 0.0000, 0.0000,

0.3143

0.0000

246.2732, 0.3064,
0.3152

■ 28.8511, 0.2997,
0.3012

■ 28.8511, 0.2997,
0.3012

■ 23.1816, 0.2862,
0.2733

■ 35.3547, 0.3115,
0.3264

■ 18.3087, 0.2709,
0.2430

■ 42.7208, 0.3217,
0.3489

■ 14.1973, 0.2542,
0.2109

■ 50.9806, 0.3305,
0.3687

■ 10.8083, 0.2363,
0.1782

■ 60.1632, 0.3379,
0.3861

■ 8.0992, 0.2181,
0.1466

■ 70.2958, 0.3442,
0.4013

■ 6.0228, 0.2005,
0.1180

■ 81.4048, 0.3496,
0.4147

■ 4.5256, 0.1847,
0.0944

■ 91.9815, 0.3548,
0.4243

■ 3.5452, 0.1716,
0.0773

■ 94.2140, 0.3634,
0.4215

■ 2.9850, 0.1626,
0.0669

■ 95.3879, 0.3678,
0.4200

Harmonies

Analogous

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



28.8511, 0.2867, 0.3018



28.8511, 0.2997, 0.3012



28.8511, 0.3165, 0.3075

Triad

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



28.8511, 0.2997, 0.3012



28.8511, 0.3459, 0.3472



28.8511, 0.2929, 0.3388

Complementary

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



28.8511, 0.2997, 0.3012



35.1139, 0.3249, 0.3560

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.



28.8511, 0.3083, 0.3520



28.8511, 0.2997, 0.3012



28.8511, 0.3391, 0.3565

Square

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



28.8511, 0.2997, 0.3012



28.8511, 0.3435, 0.3336



28.8511, 0.3252, 0.3585



28.8511, 0.2829, 0.3231

Rectangle

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



28.8511, 0.2997, 0.3012



28.8511, 0.3276, 0.3149



28.8511, 0.3252, 0.3585



28.8511, 0.2976, 0.3437

Sweetspot

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



28.8523, 0.2997, 0.3012



61.7669, 0.3093, 0.3217



33.0204, 0.2960, 0.3230



13.6569, 0.3084, 0.3198



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.8523, 0.2997, 0.3012



50.0550, 0.2969, 0.2954



29.7121, 0.3087, 0.3020



6.9326, 0.3020, 0.3060



2.3687, 0.1632, 0.0673



0.0689, 0.1978, 0.0864

Inverse Universe

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



30.0945, 0.3179, 0.3082



52.7151, 0.3190, 0.3041



34.2462, 0.3163, 0.3567



7.1750, 0.3170, 0.3117



7.2427, 0.3854, 0.1897



0.1585, 0.3580, 0.1746

Previews

White Background



This preview shows how the Yxy color 28.8511, 0.2997, 0.3012 looks on a white background.

Color Contrast Check

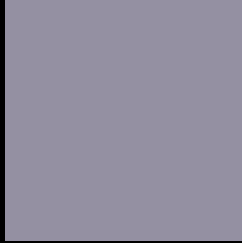
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8511, 0.2997, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

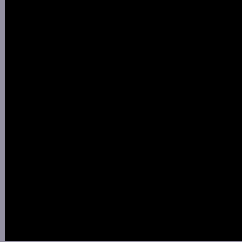
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

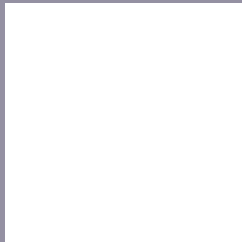
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8511, 0.2997, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 28.8511, 0.2997, 0.3012.



This preview shows how white text looks on a background with the Yxy color 28.8511, 0.2997, 0.3012.

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

28.8511, 0.2997, 0.3012

Protanopia

28.8244, 0.2948, 0.3009

Deuteranopia

28.7269, 0.3048, 0.2985



Tritanopia

28.8541, 0.3043, 0.3118

Trichromacy



Original Color

28.8511, 0.2997, 0.3012

Protanomaly

28.9149, 0.2958, 0.3010

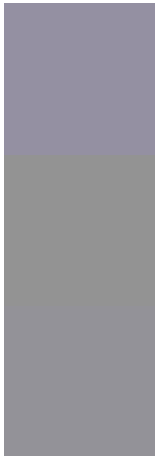
Deuteranomaly

28.8329, 0.3027, 0.2999

Tritanomaly

28.9225, 0.3024, 0.3087

Monochromacy



Original Color

28.8511, 0.2997, 0.3012

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.0278, 0.3080, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8511, 0.2997, 0.3012 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(148, 144, 162)` looks like.

```
.text, #text, p{  
    color:rgb(148, 144, 162)  
}
```

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(148, 144, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 144, 162) }
```

Border

The CSS property to change the border of an element to Yxy 28.8511, 0.2997, 0.3012 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(148, 144, 162) }
```

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

```
.border{ border-color:rgb(148, 144, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 144, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 144, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 144, 162);  
box-shadow:4px 4px 4px 4px rgb(148, 144,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8511, 0.2997, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 144, 162) }
```

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

```
.background{ background-color: rgb(148,  
144, 162) }
```

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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