

Converting Colors

$Y_{xy}(29.7979, 0.3168, 0.3261)$

Have a look what the booklet for
Yxy(29.7979, 0.3168, 0.3261)
contains.

Yxy(29.8097, 0.3170, 0.3259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.8097, 0.3170, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	999395
RGB	153, 147, 149
RGB Percent	60%, 58%, 58%
CMY	0.4000, 0.4235, 0.4156
CMYK	0.00, 0.04, 0.03, 0.40
HSL	340°, 3%, 59%
HSV	340°, 4%, 60%
XYZ	28.9956, 29.8097, 32.6635
YIQ	149.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

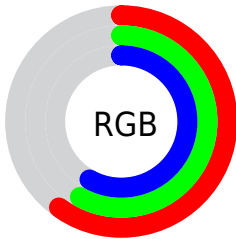
Format	Color
R_{YB}	153, 147, 149
Decimal	10064789
CIE _{Lab}	61.49, 2.58, -0.28
CIE _{LCh}	61, 2.598, 353.773
Yxy	29.8097, 0.3170, 0.3259
Android (android.graphics.Color)	4288254869 (0xFF999395)
YUV	149.0220, -0.0108, 3.4887
Hunter-Lab	54.5983, -0.7505, 2.7484

Details

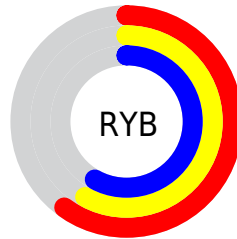
The Yxy color **29.8097, 0.3170, 0.3259** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2192, 0.3086, 0.3321**, and the grayscale version is **30.0645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3505, 0.3159, 0.3267**, and **12.0724, 0.3190, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **25.0537, 0.3296, 0.3176**, and if you desaturate by 10%, it is **35.2296, 0.3067, 0.3336**.

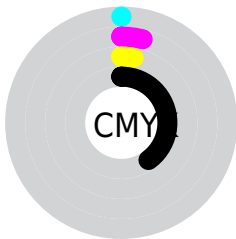
Distribution



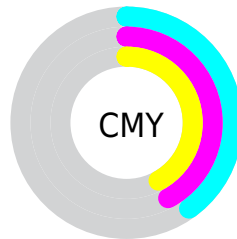
- Red (60%)
- Green (58%)
- Blue (58%)



- Red (60%)
- Yellow (58%)
- Blue (58%)



- Cyan (0%)
- Magenta (4%)
- Yellow (3%)
- Black (40%)



- Cyan (40%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8097, 0.3170, 0.3259 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 29.8097, 0.3170, 0.3259 by changing the saturation by 10% instead.

■ 29.8097, 0.3170,
0.3259

■ 29.8097, 0.3170,
0.3259

301.0164, 0.3147,
0.3276

■ 19.6942, 0.3176,
0.3254

■ 59.3611, 0.3161,
0.3265

■ 12.1729, 0.3185,
0.3248

■ 79.5658, 0.3158,
0.3268

■ 6.8616, 0.3197,
0.3239

103.9023, 0.3155,
0.3270

■ 3.3757, 0.3216,
0.3226

132.7551, 0.3153,
0.3271

■ 1.3309, 0.3248,
0.3203

166.5085, 0.3151,
0.3273

■ 0.1649, 0.3764,
0.2824

205.5469, 0.3150,

■ 0.0000, 0.0000,

0.3274

0.0000

250.2547, 0.3148,
0.3275

■ 29.8097, 0.3170,
0.3259

■ 29.8097, 0.3170,
0.3259

■ 25.0537, 0.3296,
0.3176

■ 35.2296, 0.3067,
0.3336

■ 20.9322, 0.3449,
0.3089

■ 41.3335, 0.2982,
0.3408

■ 17.4192, 0.3634,
0.3000

■ 48.1458, 0.2913,
0.3473

■ 14.4857, 0.3856,
0.2914

■ 55.6882, 0.2855,
0.3533

■ 12.1001, 0.4118,
0.2836

■ 63.9817, 0.2808,
0.3588

■ 10.2278, 0.4417,
0.2776

■ 73.0462, 0.2768,
0.3637

■ 8.8301, 0.4746,
0.2746

■ 82.9011, 0.2735,
0.3683

■ 7.8631, 0.5085,
0.2756

■ 84.0291, 0.2687,
0.3571

■ 7.2737, 0.5410,
0.2813

■ 84.6191, 0.2640,
0.3452

Harmonies

Analogous

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



29.8097, 0.3129, 0.3231



29.8097, 0.3170, 0.3259



29.8097, 0.3200, 0.3296

Triad

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



29.8097, 0.3170, 0.3259



29.8097, 0.3167, 0.3363



29.8097, 0.3045, 0.3249

Complementary

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



29.8097, 0.3170, 0.3259



31.2192, 0.3086, 0.3321

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.



29.8097, 0.3055, 0.3284



29.8097, 0.3170, 0.3259



29.8097, 0.3125, 0.3351

Square

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



29.8097, 0.3170, 0.3259



29.8097, 0.3198, 0.3356



29.8097, 0.3084, 0.3322



29.8097, 0.3057, 0.3224

Rectangle

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



29.8097, 0.3170, 0.3259



29.8097, 0.3209, 0.3320



29.8097, 0.3084, 0.3322



29.8097, 0.3046, 0.3260

Sweetspot

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



29.8110, 0.3170, 0.3259



56.0783, 0.3138, 0.3282



29.7382, 0.3110, 0.3197



12.3957, 0.3137, 0.3283



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



29.8110, 0.3170, 0.3259



52.3227, 0.3184, 0.3250



30.0282, 0.3189, 0.3304



6.6672, 0.3189, 0.3246



5.8021, 0.5579, 0.2847



0.0930, 0.4535, 0.2272

Inverse Universe

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



29.8110, 0.3170, 0.3259



52.3227, 0.3184, 0.3250



30.9918, 0.3068, 0.3276



6.6672, 0.3189, 0.3246



5.8021, 0.5579, 0.2847



0.0930, 0.4535, 0.2272

Previews

White Background



This preview shows how the Yxy color 29.8097, 0.3170, 0.3259 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 29.8097, 0.3170, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

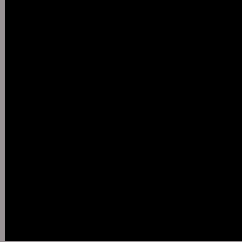
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

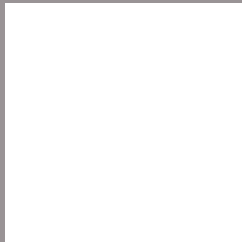
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8097, 0.3170, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 29.8097, 0.3170, 0.3259.



This preview shows how white text looks on a background with the Yxy color 29.8097, 0.3170, 0.3259.

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

29.8097, 0.3170, 0.3259

Protanopia

29.9290, 0.3148, 0.3275

Deuteranopia

29.8299, 0.3259, 0.3200



Tritanopia

29.8621, 0.3104, 0.3122

Trichromacy



Original Color

29.8097, 0.3170, 0.3259

Protanomaly

30.0251, 0.3159, 0.3275

Deuteranomaly

29.8237, 0.3226, 0.3214

Tritanomaly

29.7609, 0.3133, 0.3167

Monochromacy



Original Color

29.8097, 0.3170, 0.3259

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.8338, 0.3138, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8097, 0.3170, 0.3259 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(153, 147, 149)` looks like.

```
.text, #text, p{  
    color:rgb(153, 147, 149)  
}
```

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(153, 147, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 147, 149) }
```

Border

The CSS property to change the border of an element to Yxy 29.8097, 0.3170, 0.3259 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(153, 147, 149) }
```

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

```
.border{ border-color:rgb(153, 147, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 147, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 147, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 147, 149);  
box-shadow:4px 4px 4px 4px rgb(153, 147,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8097, 0.3170, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 147, 149) }
```

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

```
.background{ background-color: rgb(153,  
147, 149) }
```

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