

Converting Colors

$Y_{xy}(28.6138, 0.3102, 0.3189)$

Have a look what the booklet for
Yxy(28.6138, 0.3102, 0.3189)
contains.

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Color

Yxy(28.4768, 0.3101, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	949097
RGB	148, 144, 151
RGB Percent	58%, 56%, 59%
CMY	0.4196, 0.4353, 0.4079
CMYK	0.02, 0.05, 0.00, 0.41
HSL	274°, 3%, 58%
HSV	274°, 5%, 59%
XYZ	27.7694, 28.4768, 33.3035
YIQ	145.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

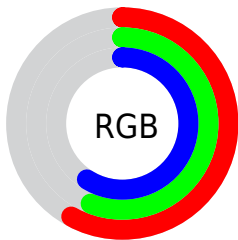
Format	Color
R_{YB}	148, 144, 151
Decimal	9736343
CIE Lab	60.32, 2.82, -3.17
CIE LCh	60, 4.247, 311.673
Yxy	28.4768, 0.3101, 0.3180
Android (android.graphics.Color)	4287926423 (0xFF949097)
YUV	145.9940, 2.4680, 1.7593
Hunter-Lab	53.3637, -0.4986, 0.3525

Details

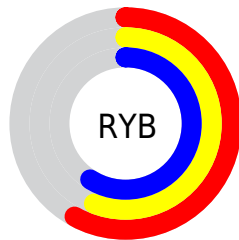
The Yxy color **28.4768, 0.3101, 0.3180** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3449, 0.3152, 0.3400**, and the grayscale version is **28.7314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3525, 0.3108, 0.3207**, and **11.4669, 0.3088, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **23.6185, 0.3037, 0.2928**, and if you desaturate by 10%, it is **33.9831, 0.3155, 0.3413**.

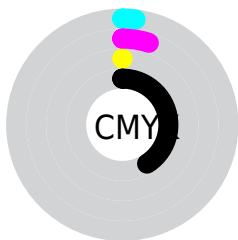
Distribution



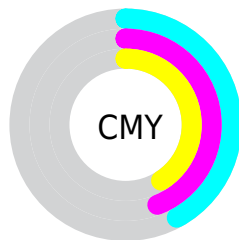
- Red (58%)
- Green (56%)
- Blue (59%)



- Red (58%)
- Yellow (56%)
- Blue (59%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (41%)



- Cyan (42%)
- Magenta (44%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4768, 0.3101, 0.3180 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 28.4768, 0.3101, 0.3180 by changing the saturation by 10% instead.

■ 28.4768, 0.3101,
0.3180

■ 28.4768, 0.3101,
0.3180

■ 294.7383, 0.3115,
0.3239

■ 18.6854, 0.3097,
0.3164

■ 57.2448, 0.3107,
0.3203

■ 11.4432, 0.3091,
0.3142

■ 76.9901, 0.3109,
0.3211

■ 6.3657, 0.3083,
0.3110

■ 100.8223, 0.3110,
0.3218

■ 3.0687, 0.3071,
0.3062

■ 129.1256, 0.3112,
0.3223

■ 1.1677, 0.3048,
0.2979

■ 162.2844, 0.3113,
0.3228

■ 0.0351, 0.2574,
0.0883

■ 200.6832, 0.3114,

■ 0.0000, 0.0000,

0.3232

0.0000

244.7064, 0.3115,
0.3236

■ 28.4768, 0.3101,
0.3180

■ 28.4768, 0.3101,
0.3180

■ 23.6185, 0.3037,
0.2928

■ 33.9831, 0.3155,
0.3413

■ 19.3798, 0.2963,
0.2661

■ 40.1570, 0.3200,
0.3626

■ 15.7358, 0.2878,
0.2382

■ 47.0218, 0.3238,
0.3819

■ 12.6581, 0.2782,
0.2101

■ 54.5986, 0.3269,
0.3992

■ 10.1165, 0.2678,
0.1826

■ 62.9076, 0.3294,
0.4148

■ 8.0772, 0.2567,
0.1571

■ 71.9682, 0.3315,
0.4288

■ 6.5031, 0.2454,
0.1348

■ 81.7990, 0.3332,
0.4413

■ 5.3512, 0.2343,
0.1168

■ 86.0081, 0.3364,
0.4443

■ 4.5681, 0.2238,
0.1037

■ 86.9180, 0.3407,
0.4427

Harmonies

Analogous

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



28.4768, 0.3038, 0.3171



28.4768, 0.3101, 0.3180



28.4768, 0.3172, 0.3217

Triad

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



28.4768, 0.3101, 0.3180



28.4768, 0.3257, 0.3385



28.4768, 0.3024, 0.3306

Complementary

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



28.4768, 0.3101, 0.3180



30.3449, 0.3152, 0.3400

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.



28.4768, 0.3082, 0.3365



28.4768, 0.3101, 0.3180



28.4768, 0.3217, 0.3411

Square

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



28.4768, 0.3101, 0.3180



28.4768, 0.3262, 0.3335



28.4768, 0.3152, 0.3403



28.4768, 0.2994, 0.3243

Rectangle

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



28.4768, 0.3101, 0.3180



28.4768, 0.3214, 0.3254



28.4768, 0.3152, 0.3403



28.4768, 0.3041, 0.3327

Sweetspot

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



28.4780, 0.3101, 0.3180



54.4271, 0.3122, 0.3266



29.0410, 0.3059, 0.3227



12.3843, 0.3122, 0.3268



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.



28.4780, 0.3101, 0.3180



49.6340, 0.3092, 0.3143



28.7456, 0.3137, 0.3188



6.5176, 0.3090, 0.3135



3.6094, 0.2189, 0.0979



0.0754, 0.2633, 0.1224

Inverse Universe

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



28.6335, 0.3171, 0.3243



50.0019, 0.3187, 0.3228



30.0860, 0.3118, 0.3394



6.5689, 0.3190, 0.3224



5.9253, 0.5206, 0.2642



0.0957, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 28.4768, 0.3101, 0.3180 looks on a white background.

Color Contrast Check

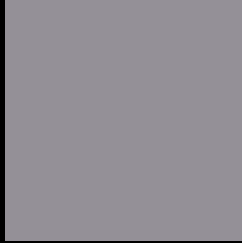
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4768, 0.3101, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

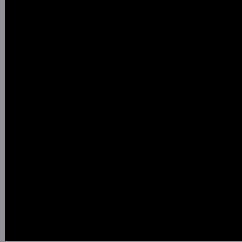
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

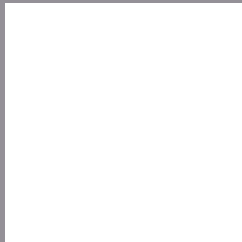
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4768, 0.3101, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 28.4768, 0.3101, 0.3180.



This preview shows how white text looks on a background with the Yxy color 28.4768, 0.3101, 0.3180.

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

28.4768, 0.3101, 0.3180

Protanopia

28.5962, 0.3080, 0.3195

Deuteranopia

28.4848, 0.3189, 0.3122



Tritanopia

28.4010, 0.3073, 0.3102

Trichromacy



Original Color

28.4768, 0.3101, 0.3180

Protanomaly

28.6882, 0.3090, 0.3195

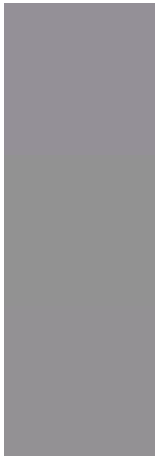
Deuteranomaly

28.4830, 0.3156, 0.3135

Tritanomaly

28.3676, 0.3083, 0.3118

Monochromacy



Original Color

28.4768, 0.3101, 0.3180

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5920, 0.3119, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4768, 0.3101, 0.3180 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(148, 144, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 144, 151) }
```

Border

The CSS property to change the border of an element to Yxy 28.4768, 0.3101, 0.3180 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, 151) }
```

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

```
.border{ border-color:rgb(148, 144, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 144, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 144, 151);  
box-shadow:4px 4px 4px 4px rgb(148, 144,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4768, 0.3101, 0.3180 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, 151) }
```

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

```
.background{ background-color: rgb(148,  
144, 151) }
```

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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