

Converting Colors

$Y_{xy}(29.7708, 0.3112, 0.3203)$

Have a look what the booklet for
Yxy(29.7708, 0.3112, 0.3203)
contains.

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Color

Yxy(29.7467, 0.3111, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	979399
RGB	151, 147, 153
RGB Percent	59%, 58%, 60%
CMY	0.4078, 0.4235, 0.4000
CMYK	0.01, 0.04, 0.00, 0.40
HSL	280°, 3%, 59%
HSV	280°, 4%, 60%
XYZ	28.9465, 29.7467, 34.3525
YIQ	148.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

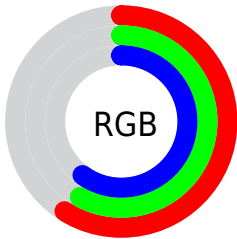
Format	Color
R_{YB}	151, 147, 153
Decimal	9933721
CIE _{Lab}	61.44, 2.63, -2.64
CIE _{LCh}	61, 3.729, 314.818
Yxy	29.7467, 0.3111, 0.3197
Android (android.graphics.Color)	4288123801 (0xFF979399)
YUV	148.8800, 2.0312, 1.8592
Hunter-Lab	54.5405, -0.7099, 0.8345

Details

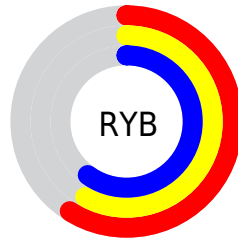
The Yxy color **29.7467, 0.3111, 0.3197** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2783, 0.3143, 0.3384**, and the grayscale version is **29.9939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2574, 0.3115, 0.3220**, and **12.0344, 0.3103, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **24.8253, 0.3064, 0.2949**, and if you desaturate by 10%, it is **35.3246, 0.3150, 0.3429**.

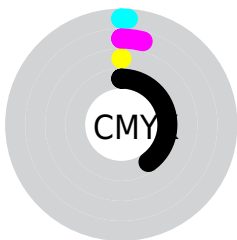
Distribution



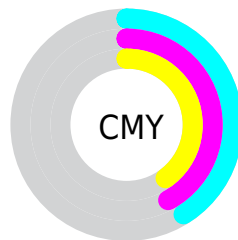
- Red (59%)
- Green (58%)
- Blue (60%)



- Red (59%)
- Yellow (58%)
- Blue (60%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7467, 0.3111, 0.3197 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 29.7467, 0.3111, 0.3197 by changing the saturation by 10% instead.

■ 29.7467, 0.3111,
0.3197

■ 29.7467, 0.3111,
0.3197

300.7220, 0.3120,
0.3247

■ 19.6464, 0.3109,
0.3183

■ 59.2614, 0.3114,
0.3216

■ 12.1383, 0.3105,
0.3165

■ 79.4445, 0.3116,
0.3223

■ 6.8379, 0.3100,
0.3139

103.7574, 0.3117,
0.3229

■ 3.3609, 0.3093,
0.3100

132.5845, 0.3117,
0.3233

■ 1.3229, 0.3079,
0.3033

166.3101, 0.3118,
0.3237

■ 0.1589, 0.2940,
0.2171

205.3186, 0.3119,

■ 0.0000, 0.0000,

0.3241

0.0000

249.9944, 0.3119,
0.3244

■ 29.7467, 0.3111,
0.3197

■ 29.7467, 0.3111,
0.3197

■ 24.8253, 0.3064,
0.2949

■ 35.3246, 0.3150,
0.3429

■ 20.5315, 0.3009,
0.2687

■ 41.5787, 0.3182,
0.3642

■ 16.8398, 0.2946,
0.2417

■ 48.5329, 0.3208,
0.3837

■ 13.7216, 0.2874,
0.2147

■ 56.2087, 0.3230,
0.4014

■ 11.1460, 0.2795,
0.1887

■ 64.6264, 0.3247,
0.4173

■ 9.0788, 0.2710,
0.1647

■ 73.8058, 0.3260,
0.4316

■ 7.4821, 0.2622,
0.1440

■ 83.7658, 0.3270,
0.4445

■ 6.3126, 0.2534,
0.1274

■ 84.9886, 0.3301,
0.4441

■ 5.5179, 0.2448,
0.1154

■ 85.6631, 0.3334,
0.4429

Harmonies

Analogous

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



29.7467, 0.3055, 0.3187



29.7467, 0.3111, 0.3197



29.7467, 0.3172, 0.3232

Triad

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



29.7467, 0.3111, 0.3197



29.7467, 0.3237, 0.3376



29.7467, 0.3034, 0.3298

Complementary

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



29.7467, 0.3111, 0.3197



31.2783, 0.3143, 0.3384

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.



29.7467, 0.3082, 0.3350



29.7467, 0.3111, 0.3197



29.7467, 0.3199, 0.3395

Square

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



29.7467, 0.3111, 0.3197



29.7467, 0.3245, 0.3334



29.7467, 0.3143, 0.3386



29.7467, 0.3011, 0.3244

Rectangle

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



29.7467, 0.3111, 0.3197



29.7467, 0.3207, 0.3264



29.7467, 0.3143, 0.3386



29.7467, 0.3048, 0.3316

Sweetspot

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



29.7480, 0.3111, 0.3197



56.0492, 0.3123, 0.3266



29.9986, 0.3069, 0.3227



12.3897, 0.3123, 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.



29.7480, 0.3111, 0.3197



52.1759, 0.3106, 0.3169



29.9075, 0.3141, 0.3213



6.6467, 0.3104, 0.3158



4.2599, 0.2403, 0.1097



0.0833, 0.2774, 0.1302

Inverse Universe

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



29.8104, 0.3170, 0.3259



52.3217, 0.3184, 0.3250



31.1238, 0.3114, 0.3368



6.6670, 0.3189, 0.3246



5.7995, 0.5588, 0.2852



0.0930, 0.4543, 0.2276

Previews

White Background



This preview shows how the Yxy color 29.7467, 0.3111, 0.3197 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 29.7467, 0.3111, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

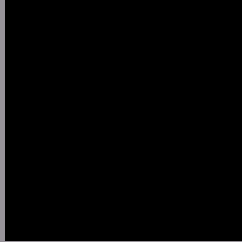
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

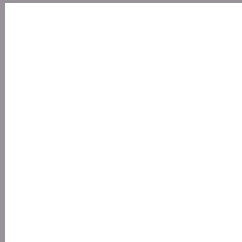
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.7467, 0.3111, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 29.7467, 0.3111, 0.3197.



This preview shows how white text looks on a background with the Yxy color 29.7467, 0.3111, 0.3197.

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

29.7467, 0.3111, 0.3197

Protanopia

29.5569, 0.3090, 0.3196

Deuteranopia

29.7532, 0.3197, 0.3139



Tritanopia

29.7018, 0.3074, 0.3106

Trichromacy



Original Color

29.7467, 0.3111, 0.3197

Protanomaly

29.6514, 0.3101, 0.3197

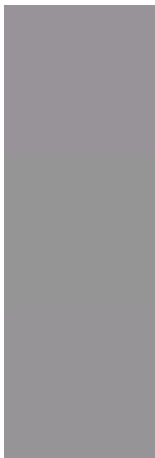
Deuteranomaly

29.7520, 0.3165, 0.3153

Tritanomaly

29.6335, 0.3093, 0.3136

Monochromacy



Original Color

29.7467, 0.3111, 0.3197

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.8658, 0.3129, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7467, 0.3111, 0.3197 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(151, 147, 153)` looks like.

```
.text, #text, p{  
    color:rgb(151, 147, 153)  
}
```

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(151, 147, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 147, 153) }
```

Border

The CSS property to change the border of an element to Yxy 29.7467, 0.3111, 0.3197 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(151, 147, 153) }
```

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

```
.border{ border-color:rgb(151, 147, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 147, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 147, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 147, 153);  
box-shadow:4px 4px 4px 4px rgb(151, 147,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7467, 0.3111, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 147, 153) }
```

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

```
.background{ background-color: rgb(151,  
147, 153) }
```

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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