

Converting Colors

$Y_{xy}(37.7960, 0.2972, 0.2702)$

Have a look what the booklet for
Yxy(37.7960, 0.2972, 0.2702)
contains.

| | |
|--|----|
| Yxy(37.8177, 0.2970, 0.2708) | 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(37.8177, 0.2970, 0.2708)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B59CC9 |
| RGB | 181, 156, 201 |
| RGB Percent | 71%, 61%, 79% |
| CMY | 0.2904, 0.3881, 0.2119 |
| CMYK | 0.10, 0.22, 0.00, 0.21 |
| HSL | 273°, 29%, 70% |
| HSV | 273°, 22%, 79% |
| XYZ | 41.4766, 37.8177, 60.3575 |
| YIQ | 168.6050, 0.4550, 19.2950 |

Conversions

Conversions Part 2

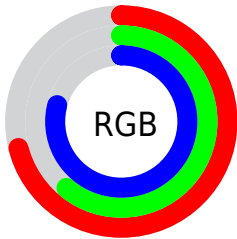
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 181, 156, 201 |
| Decimal | 11902153 |
| CIE _{Lab} | 67.89, 17.67, -19.66 |
| CIE _{LCh} | 68, 26.437, 311.948 |
| Yxy | 37.8177, 0.2970, 0.2708 |
| Android (android.graphics.Color) | 4290092233 (0xFFB59CC9) |
| YUV | 168.6050, 15.9707, 10.8704 |
| Hunter-Lab | 61.4961, 12.7727, -15.1450 |

Details

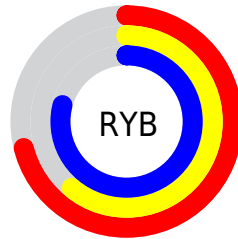
The Yxy color $37.8177, 0.2970, 0.2708$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $53.3998, 0.3256, 0.3881$, and the grayscale version is $39.3890, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.8131, 0.3020, 0.2844$, and $16.7989, 0.2919, 0.2551$ is the 20% darker color. If you saturate the color by 10%, you get $30.5745, 0.2881, 0.2424$, and if you desaturate by 10%, it is $46.2497, 0.3047, 0.2979$.

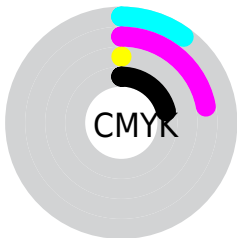
Distribution



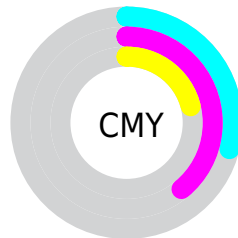
- Red (71%)
- Green (61%)
- Blue (79%)



- Red (71%)
- Yellow (61%)
- Blue (79%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)




- Cyan (29%)
- Magenta (39%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8177, 0.2970, 0.2708 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 37.8177, 0.2970, 0.2708 by changing the saturation by 10% instead.


 37.8177, 0.2970,
0.2708


 37.8177, 0.2970,
0.2708


336.8373, 0.3055,
0.2997

 25.8412, 0.2947,
0.2637


 71.8286, 0.3002,
0.2812

 16.7049, 0.2916,
0.2546

 94.6319, 0.3014,
0.2852

 10.0243, 0.2874,
0.2427


121.8129, 0.3024,
0.2885

 5.4151, 0.2811,
0.2263

153.7559, 0.3032,
0.2914

 2.4928, 0.2711,
0.2025

190.8455, 0.3039,
0.2939

 0.8730, 0.2531,
0.1655

233.4660, 0.3045,

 0.0000, 0.1563,

0.2961

0.0000

282.0018, 0.3050,
0.2980

■ 0.0000, 0.0000,
0.0000

■ 37.8177, 0.2970,
0.2708

■ 37.8177, 0.2970,
0.2708

■ 30.5745, 0.2881,
0.2424

■ 46.2497, 0.3047,
0.2979

■ 24.4591, 0.2781,
0.2134

■ 55.9179, 0.3113,
0.3233

■ 19.4123, 0.2672,
0.1849

■ 66.8732, 0.3169,
0.3466

■ 15.3674, 0.2555,
0.1583

■ 79.1619, 0.3215,
0.3678

■ 12.2499, 0.2435,
0.1349

■ 91.8588, 0.3255,
0.3854

■ 9.9744, 0.2318,
0.1159

■ 93.3417, 0.3313,
0.3844

■ 8.4390, 0.2207,
0.1022

■ 94.9012, 0.3372,
0.3834

■ 7.6250, 0.2128,
0.0946

■ 96.5385, 0.3432,
0.3823

■ 96.9960, 0.3448,
0.3820

Harmonies

Analogous

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



37.8177, 0.2632, 0.2647



37.8177, 0.2970, 0.2708



37.8177, 0.3373, 0.2901

Triad

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



37.8177, 0.2970, 0.2708



37.8177, 0.3864, 0.3801



37.8177, 0.2555, 0.3358

Complementary

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



37.8177, 0.2970, 0.2708



53.3998, 0.3256, 0.3881

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.



37.8177, 0.2857, 0.3732



37.8177, 0.2970, 0.2708



37.8177, 0.3616, 0.3983

Square

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



37.8177, 0.2970, 0.2708



37.8177, 0.3908, 0.3508



37.8177, 0.3245, 0.3968



37.8177, 0.2405, 0.2992

Rectangle

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



37.8177, 0.2970, 0.2708



37.8177, 0.3621, 0.3083



37.8177, 0.3245, 0.3968



37.8177, 0.2641, 0.3489

Sweetspot

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



37.8193, 0.2970, 0.2708



87.6583, 0.3083, 0.3115



42.4365, 0.2774, 0.2955



18.5457, 0.3079, 0.3100



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.8193, 0.2970, 0.2708



58.3014, 0.2927, 0.2567



40.3105, 0.3173, 0.2765



10.5726, 0.3068, 0.3057



4.8505, 0.2142, 0.0954



0.2722, 0.2359, 0.1073

Inverse Universe

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



39.3361, 0.3383, 0.3037



61.4414, 0.3456, 0.2977



51.3113, 0.3083, 0.3878



10.7141, 0.3221, 0.3188



8.2847, 0.5168, 0.2621



0.4068, 0.4658, 0.2339

Previews

White Background



This preview shows how the Yxy color 37.8177, 0.2970, 0.2708 looks on a white background.

Color Contrast Check

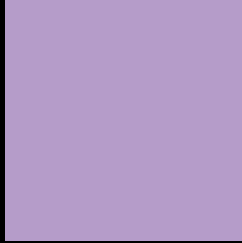
Large Text (above 18pt) WCAG AA × Fail

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 37.8177, 0.2970, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

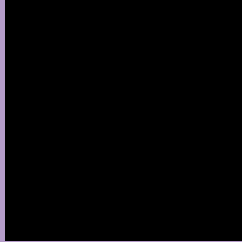
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8177, 0.2970, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 37.8177, 0.2970, 0.2708.



This preview shows how white text looks on a background with the Yxy color 37.8177, 0.2970, 0.2708.

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

37.8177, 0.2970, 0.2708

Protanopia

37.9757, 0.2717, 0.2720

Deuteranopia

38.0101, 0.2841, 0.2778



Tritanopia

37.8928, 0.3164, 0.3113

Trichromacy



Original Color

37.8177, 0.2970, 0.2708

Protanomaly

37.7419, 0.2801, 0.2714

Deuteranomaly

37.9697, 0.2891, 0.2759

Tritanomaly

37.7219, 0.3087, 0.2954

Monochromacy



Original Color

37.8177, 0.2970, 0.2708

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.7714, 0.3064, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8177, 0.2970, 0.2708 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(181, 156, 201)` looks like.

```
.text, #text, p{  
    color:rgb(181, 156, 201)  
}
```

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(181, 156, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 156, 201) }
```

Border

The CSS property to change the border of an element to Yxy 37.8177, 0.2970, 0.2708 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(181, 156, 201) }
```

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

```
.border{ border-color:rgb(181, 156, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 156, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 156, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 156, 201);  
box-shadow:4px 4px 4px 4px rgb(181, 156,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8177, 0.2970, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 156, 201) }
```

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

```
.background{ background-color: rgb(181,  
156, 201) }
```

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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