

Converting Colors

$Y_{xy}(37.9718, 0.2893, 0.2776)$

Have a look what the booklet for
Yxy(37.9718, 0.2893, 0.2776)
contains.

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Color

Yxy(37.8112, 0.2890, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	AAA0C7
RGB	170, 160, 199
RGB Percent	67%, 63%, 78%
CMY	0.3335, 0.3725, 0.2197
CMYK	0.15, 0.20, 0.00, 0.22
HSL	255°, 26%, 70%
HSV	255°, 20%, 78%
XYZ	39.4492, 37.8112, 59.2421
YIQ	167.4360, -6.5590, 14.2490

Conversions

Conversions Part 2

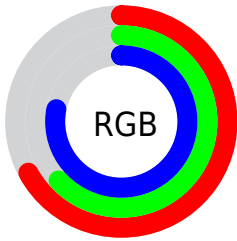
Format	Color
R_{YB}	170, 160, 199
Decimal	11182279
CIE _{Lab}	67.88, 11.41, -18.65
CIE _{LCh}	68, 21.865, 301.454
Yxy	37.8112, 0.2890, 0.2770
Android (android.graphics.Color)	4289372359 (0xFFAAA0C7)
YUV	167.4360, 15.5611, 2.2486
Hunter-Lab	61.4908, 6.9072, -14.0782

Details

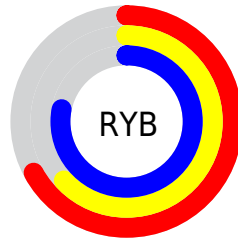
The Yxy color $37.8112, 0.2890, 0.2770$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $54.2028, 0.3336, 0.3786$, and the grayscale version is $38.7907, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.9896, 0.2945, 0.2876$, and $16.7635, 0.2810, 0.2629$ is the 20% darker color. If you saturate the color by 10%, you get $29.8967, 0.2743, 0.2467$, and if you desaturate by 10%, it is $47.0193, 0.3019, 0.3049$.

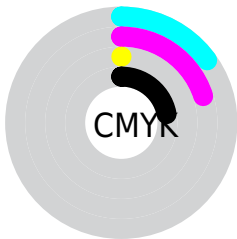
Distribution



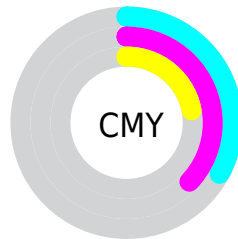
- Red (67%)
- Green (63%)
- Blue (78%)



- Red (67%)
- Yellow (63%)
- Blue (78%)



- Cyan (15%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8112, 0.2890, 0.2770 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 37.8112, 0.2890, 0.2770 by changing the saturation by 10% instead.

■ 37.8112, 0.2890,
0.2770

■ 37.8112, 0.2890,
0.2770

■ 336.8094, 0.3014,
0.3031

■ 25.8362, 0.2857,
0.2705

■ 71.8187, 0.2936,
0.2865

■ 16.7011, 0.2814,
0.2622

■ 94.6199, 0.2953,
0.2900

■ 10.0216, 0.2756,
0.2511

■ 121.7987, 0.2968,
0.2930

■ 5.4133, 0.2671,
0.2357

■ 153.7394, 0.2980,
0.2956

■ 2.4917, 0.2539,
0.2132

■ 190.8264, 0.2990,
0.2979

■ 0.8725, 0.2309,
0.1772

■ 233.4442, 0.2999,

■ 0.0000, 0.0502,

0.2998

0.0000

281.9770, 0.3007,
0.3015

0.0000, 0.0000,
0.0000

37.8112, 0.2890,
0.2770

37.8112, 0.2890,
0.2770

29.8967, 0.2743,
0.2467

47.0193, 0.3019,
0.3049

23.2125, 0.2581,
0.2146

57.5710, 0.3132,
0.3300

17.6969, 0.2407,
0.1818

69.5196, 0.3228,
0.3524

13.2812, 0.2227,
0.1500

82.9138, 0.3310,
0.3721

9.8890, 0.2051,
0.1210

94.8879, 0.3387,
0.3854

■ 7.4340, 0.1890,
0.0970

■ 96.9028, 0.3460,
0.3840

■ 5.8150, 0.1755,
0.0795

■ 4.8549, 0.1650,
0.0685

■ 4.8208, 0.1647,
0.0681

Harmonies

Analogous

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



37.8112, 0.2641, 0.2766



37.8112, 0.2890, 0.2770



37.8112, 0.3216, 0.2897

Triad

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



37.8112, 0.2890, 0.2770



37.8112, 0.3771, 0.3643



37.8112, 0.2728, 0.3461

Complementary

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



37.8112, 0.2890, 0.2770



54.2028, 0.3336, 0.3786

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.



37.8112, 0.3015, 0.3736



37.8112, 0.2890, 0.2770



37.8112, 0.3622, 0.3828

Square

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



37.8112, 0.2890, 0.2770



37.8112, 0.3739, 0.3383



37.8112, 0.3342, 0.3872



37.8112, 0.2551, 0.3146

Rectangle

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



37.8112, 0.2890, 0.2770



37.8112, 0.3433, 0.3035



37.8112, 0.3342, 0.3872



37.8112, 0.2814, 0.3562

Sweetspot

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



37.8128, 0.2890, 0.2770



88.5260, 0.3060, 0.3140



48.0983, 0.2829, 0.3160



18.6924, 0.3053, 0.3123



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.



37.8128, 0.2890, 0.2770



60.7535, 0.2837, 0.2659



40.1210, 0.3061, 0.2796



10.4161, 0.3022, 0.3054



3.1363, 0.1658, 0.0687



0.1843, 0.1885, 0.0812

Inverse Universe

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



40.9642, 0.3237, 0.2927



67.1913, 0.3263, 0.2855



51.8980, 0.3179, 0.3811



10.7686, 0.3176, 0.3120



9.2018, 0.3973, 0.1962



0.4469, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 37.8112, 0.2890, 0.2770 looks on a white background.

Color Contrast Check

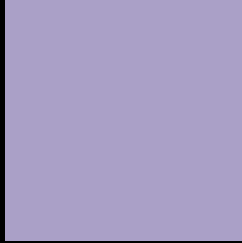
Large Text (above 18pt) WCAG AA × Fail

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 37.8112, 0.2890, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

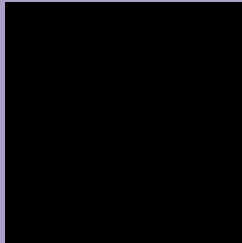
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8112, 0.2890, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 37.8112, 0.2890, 0.2770.



This preview shows how white text looks on a background with the Yxy color 37.8112, 0.2890, 0.2770.

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

37.8112, 0.2890, 0.2770

Protanopia

37.9833, 0.2761, 0.2772

Deuteranopia

37.9635, 0.2848, 0.2791



Tritanopia

37.8322, 0.3035, 0.3108

Trichromacy



Original Color

37.8112, 0.2890, 0.2770

Protanomaly

38.0928, 0.2809, 0.2776

Deuteranomaly

37.8287, 0.2865, 0.2780

Tritanomaly

37.9127, 0.2977, 0.2987

Monochromacy



Original Color

37.8112, 0.2890, 0.2770

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.1304, 0.3036, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8112, 0.2890, 0.2770 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(170, 160, 199)` looks like.

```
.text, #text, p{  
    color:rgb(170, 160, 199)  
}
```

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(170, 160, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 160, 199) }
```

Border

The CSS property to change the border of an element to Yxy 37.8112, 0.2890, 0.2770 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(170, 160, 199) }
```

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

```
.border{ border-color:rgb(170, 160, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 160, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 160, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 160, 199);  
box-shadow:4px 4px 4px 4px rgb(170, 160,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8112, 0.2890, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 160, 199) }
```

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

```
.background{ background-color: rgb(170,  
160, 199) }
```

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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