

Converting Colors

$Yxy(38.9703, 0.2776, 0.2898)$

Have a look what the booklet for
Yxy(38.9703, 0.2776, 0.2898)
contains.

Yxy(38.8088, 0.2770, 0.2888)	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(38.8088, 0.2770, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	99A8C5
RGB	153, 168, 197
RGB Percent	60%, 66%, 77%
CMY	0.3998, 0.3412, 0.2275
CMYK	0.22, 0.15, 0.00, 0.23
HSL	220°, 27%, 69%
HSV	220°, 22%, 77%
XYZ	37.2231, 38.8088, 58.3476
YIQ	166.8210, -18.2490, 5.8390

Conversions

Conversions Part 2

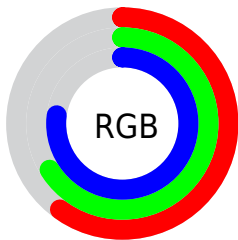
Format	Color
R _Y B	153, 164, 197
Decimal	10070213
CIE Lab	68.61, 1.11, -16.57
CIE LCh	69, 16.602, 273.819
Yxy	38.8088, 0.2770, 0.2888
Android (android.graphics.Color)	4288260293 (0xFF99A8C5)
YUV	166.8210, 14.8782, -12.1210
Hunter-Lab	62.2967, -2.3631, -11.9238

Details

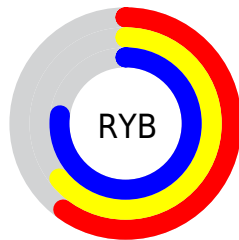
The Yxy color **38.8088, 0.2770, 0.2888** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.6463, 0.3498, 0.3662**, and the grayscale version is **38.4890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3410, 0.2836, 0.2959**, and **17.2407, 0.2662, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **32.4861, 0.2596, 0.2675**, and if you desaturate by 10%, it is **45.9310, 0.2936, 0.3081**.

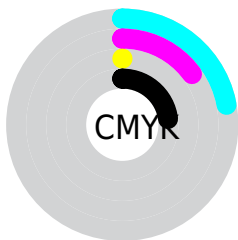
Distribution



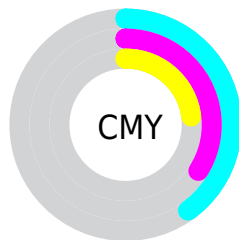
- Red (60%)
- Green (66%)
- Blue (77%)



- Red (60%)
- Yellow (64%)
- Blue (77%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (23%)



- Cyan (40%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8088, 0.2770, 0.2888 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 38.8088, 0.2770, 0.2888 by changing the saturation by 10% instead.

■ 38.8088, 0.2770,
0.2888

■ 38.8088, 0.2770,
0.2888

341.0769, 0.2953,
0.3093

■ 26.6110, 0.2723,
0.2836

■ 73.3461, 0.2837,
0.2963

■ 17.2813, 0.2663,
0.2768

■ 96.4545, 0.2862,
0.2991

■ 10.4353, 0.2581,
0.2678

123.9685, 0.2883,
0.3015

■ 5.6885, 0.2466,
0.2550

156.2725, 0.2901,
0.3035

■ 2.6566, 0.2291,
0.2357

193.7510, 0.2917,
0.3052

■ 0.9552, 0.1998,
0.2038

236.7883, 0.2930,

■ 0.0000, 0.0000,

0.3068

0.0000

285.7688, 0.2942,
0.3081

■ 38.8088, 0.2770,
0.2888

■ 38.8088, 0.2770,
0.2888

■ 32.4861, 0.2596,
0.2675

■ 45.9310, 0.2936,
0.3081

■ 26.9287, 0.2418,
0.2444

■ 53.8758, 0.3093,
0.3253

■ 22.1067, 0.2242,
0.2199

■ 62.6714, 0.3238,
0.3406

■ 17.9860, 0.2073,
0.1946

■ 72.3428, 0.3371,
0.3539

■ 14.5297, 0.1921,
0.1694

■ 82.9144, 0.3492,
0.3657

■ 11.6969, 0.1793,
0.1454

■ 91.1973, 0.3490,
0.3777

■ 9.4407, 0.1694,
0.1237

■ 96.8109, 0.3472,
0.3860

■ 8.0447, 0.1636,
0.1089

Harmonies

Analogous

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



38.8088, 0.2668, 0.2983



38.8088, 0.2770, 0.2888



38.8088, 0.2968, 0.2897

Triad

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



38.8088, 0.2770, 0.2888



38.8088, 0.3593, 0.3382



38.8088, 0.3026, 0.3608

Complementary

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



38.8088, 0.2770, 0.2888



47.6463, 0.3498, 0.3662

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.



38.8088, 0.3274, 0.3720



38.8088, 0.2770, 0.2888



38.8088, 0.3607, 0.3575

Square

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



38.8088, 0.2770, 0.2888



38.8088, 0.3447, 0.3174



38.8088, 0.3488, 0.3703



38.8088, 0.2812, 0.3401

Rectangle

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



38.8088, 0.2770, 0.2888



38.8088, 0.3131, 0.2956



38.8088, 0.3488, 0.3703



38.8088, 0.3108, 0.3659

Sweetspot

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



38.8104, 0.2770, 0.2888



89.4837, 0.3019, 0.3173



50.0677, 0.2901, 0.3499



18.9667, 0.3009, 0.3162



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.



38.8104, 0.2770, 0.2888



63.5566, 0.2682, 0.2782



34.2652, 0.2811, 0.2683



10.8673, 0.2983, 0.3133



5.4319, 0.1643, 0.1113



0.3919, 0.1763, 0.1545

Inverse Universe

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



37.4942, 0.3427, 0.3097



61.0725, 0.3516, 0.3050



53.2298, 0.3404, 0.3851



10.6955, 0.3237, 0.3212



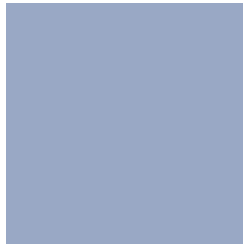
8.0883, 0.5592, 0.2854



0.3966, 0.5001, 0.2528

Previews

White Background



This preview shows how the Yxy color 38.8088, 0.2770, 0.2888 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 38.8088, 0.2770, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

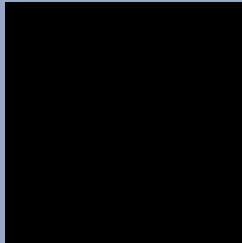
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8088, 0.2770, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 38.8088, 0.2770, 0.2888.



This preview shows how white text looks on a background with the Yxy color 38.8088, 0.2770, 0.2888.

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

38.8088, 0.2770, 0.2888

Protanopia

38.7896, 0.2848, 0.2893

Deuteranopia

38.5964, 0.2882, 0.2821



Tritanopia

38.6942, 0.2843, 0.3090

Trichromacy



Original Color

38.8088, 0.2770, 0.2888

Protanomaly

38.8921, 0.2816, 0.2891

Deuteranomaly

38.7740, 0.2841, 0.2843

Tritanomaly

38.6294, 0.2813, 0.3007

Monochromacy



Original Color

38.8088, 0.2770, 0.2888

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.5332, 0.2990, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8088, 0.2770, 0.2888 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, 168, 197)` looks like.

```
.text, #text, p{  
    color:rgb(153, 168, 197)  
}
```

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, 168, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 168, 197) }
```

Border

The CSS property to change the border of an element to Yxy 38.8088, 0.2770, 0.2888 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, 168, 197) }
```

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

```
.border{ border-color:rgb(153, 168, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 168, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 168, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 168, 197); box-shadow:4px 4px 4px 4px rgb(153, 168, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8088, 0.2770, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 168, 197) }
```

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

```
.background{ background-color: rgb(153,  
168, 197) }
```

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