

Converting Colors

$Y_{xy}(36.8790, 0.2799, 0.2766)$

Have a look what the booklet for
Yxy(36.8790, 0.2799, 0.2766)
contains.

Yxy(36.9842, 0.2797, 0.2770)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9842, 0.2797, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	9FA1C7
RGB	159, 161, 199
RGB Percent	62%, 63%, 78%
CMY	0.3766, 0.3686, 0.2197
CMYK	0.20, 0.19, 0.00, 0.22
HSL	237°, 26%, 70%
HSV	237°, 20%, 78%
XYZ	37.3447, 36.9842, 59.1881
YIQ	164.7340, -13.3900, 11.3940

Conversions

Conversions Part 2

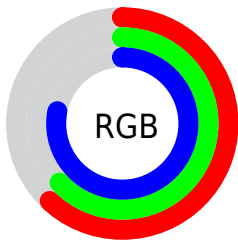
Format	Color
R _Y B	159, 161, 199
Decimal	10461639
CIE Lab	67.27, 7.31, -19.66
CIE LCh	67, 20.980, 290.395
Yxy	36.9842, 0.2797, 0.2770
Android (android.graphics.Color)	4288651719 (0xFF9FA1C7)
YUV	164.7340, 16.8931, -5.0287
Hunter-Lab	60.8146, 3.1866, -15.1340

Details

The Yxy color **36.9842, 0.2797, 0.2770** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.5416, 0.3432, 0.3762**, and the grayscale version is **37.4137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6279, 0.2865, 0.2877**, and **16.3220, 0.2696, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **29.0043, 0.2606, 0.2465**, and if you desaturate by 10%, it is **46.2909, 0.2971, 0.3045**.

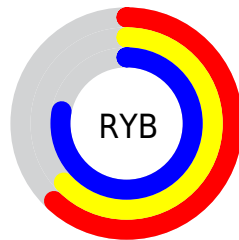
Distribution



Red (62%)

Green (63%)

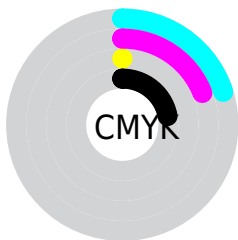
Blue (78%)



Red (62%)

Yellow (63%)

Blue (78%)

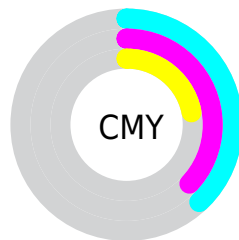


Cyan (20%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (38%)

Magenta (37%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9842, 0.2797, 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 36.9842, 0.2797, 0.2770 by changing the saturation by 10% instead.

■ 36.9842, 0.2797,
0.2770

■ 36.9842, 0.2797,
0.2770

■ 333.2421, 0.2968,
0.3033

■ 25.1953, 0.2752,
0.2704

■ 70.5485, 0.2861,
0.2866

■ 16.2226, 0.2694,
0.2618

■ 93.0926, 0.2884,
0.2902

■ 9.6818, 0.2615,
0.2504

■ 119.9906, 0.2904,
0.2932

■ 5.1885, 0.2502,
0.2345

■ 151.6268, 0.2921,
0.2958

■ 2.3583, 0.2328,
0.2110

■ 188.3857, 0.2935,
0.2981

■ 0.8043, 0.2033,
0.1726

■ 230.6516, 0.2948,

■ 0.0000, 0.0000,

0.3000

0.0000

278.8089, 0.2959,
0.3018

■ 36.9842, 0.2797,
0.2770

■ 36.9842, 0.2797,
0.2770

■ 29.0043, 0.2606,
0.2465

■ 46.2909, 0.2971,
0.3045

■ 22.2864, 0.2401,
0.2136

■ 56.9762, 0.3126,
0.3288

■ 16.7674, 0.2191,
0.1795

■ 69.0947, 0.3262,
0.3499

■ 12.3765, 0.1988,
0.1460

■ 82.6965, 0.3380,
0.3682

■ 9.0360, 0.1807,
0.1156

■ 96.9024, 0.3460,
0.3840

■ 6.6577, 0.1661,
0.0905

■ 5.1396, 0.1562,
0.0728

■ 4.3434, 0.1508,
0.0629

Harmonies

Analogous

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



36.9842, 0.2597, 0.2814



36.9842, 0.2797, 0.2770



36.9842, 0.3093, 0.2851

Triad

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



36.9842, 0.2797, 0.2770



36.9842, 0.3759, 0.3544



36.9842, 0.2834, 0.3563

Complementary

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



36.9842, 0.2797, 0.2770



54.5416, 0.3432, 0.3762

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.



36.9842, 0.3136, 0.3788



36.9842, 0.2797, 0.2770



36.9842, 0.3677, 0.3758

Square

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



36.9842, 0.2797, 0.2770



36.9842, 0.3662, 0.3283



36.9842, 0.3445, 0.3856



36.9842, 0.2617, 0.3261

Rectangle

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



36.9842, 0.2797, 0.2770



36.9842, 0.3309, 0.2964



36.9842, 0.3445, 0.3856



36.9842, 0.2929, 0.3652

Sweetspot

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



36.9857, 0.2797, 0.2770



88.2975, 0.3035, 0.3146



52.2033, 0.2847, 0.3324



18.6385, 0.3025, 0.3130



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.



36.9857, 0.2797, 0.2770



58.5638, 0.2718, 0.2644



38.1741, 0.2945, 0.2764



10.3730, 0.2983, 0.3064



2.8327, 0.1510, 0.0637



0.1652, 0.1546, 0.0765

Inverse Universe

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



39.4986, 0.3502, 0.3265



63.7826, 0.3605, 0.3259



53.2393, 0.3283, 0.3809



10.6456, 0.3282, 0.3279



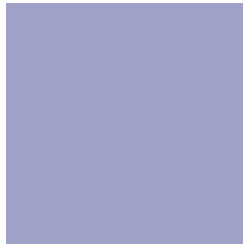
7.8260, 0.6338, 0.3265



0.3737, 0.6125, 0.3148

Previews

White Background



This preview shows how the Yxy color 36.9842, 0.2797, 0.2770 looks on a white background.

Color Contrast Check

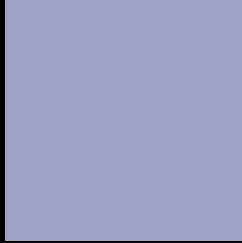
Large Text (above 18pt) WCAG AA × Fail

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 36.9842, 0.2797, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

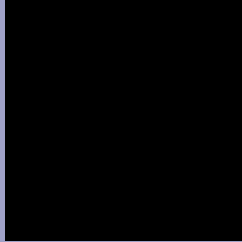
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9842, 0.2797, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 36.9842, 0.2797, 0.2770.



This preview shows how white text looks on a background with the Yxy color 36.9842, 0.2797, 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

36.9842, 0.2797, 0.2770

Protanopia

36.9794, 0.2758, 0.2766

Deuteranopia

36.9465, 0.2822, 0.2759



Tritanopia

37.0932, 0.2929, 0.3103

Trichromacy



Original Color

36.9842, 0.2797, 0.2770

Protanomaly

37.0787, 0.2766, 0.2767

Deuteranomaly

36.8422, 0.2813, 0.2758

Tritanomaly

37.1640, 0.2874, 0.2979

Monochromacy



Original Color

36.9842, 0.2797, 0.2770

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5118, 0.3008, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9842, 0.2797, 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(159, 161, 199)` looks like.

```
.text, #text, p{  
    color:rgb(159, 161, 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(159, 161, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 161, 199) }
```

Border

The CSS property to change the border of an element to Yxy 36.9842, 0.2797, 0.2770 is called "border". The border property can be set on classes, ids or directly on the HTML element.

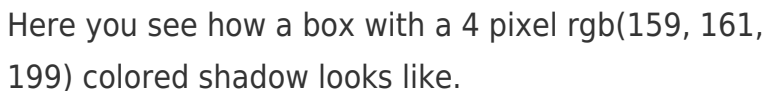
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 161, 199) }
```

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

```
.border{ border-color:rgb(159, 161, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 161, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 161, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 161, 199); box-shadow:4px 4px 4px 4px rgb(159, 161, 199) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.9842, 0.2797, 0.2770$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 161, 199) }
```

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

```
.background{ background-color: rgb(159,  
161, 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](#).

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