

Converting Colors

$Y_{xy}(38.6253, 0.2801, 0.2866)$

Have a look what the booklet for
Yxy(38.6253, 0.2801, 0.2866)
contains.

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Color

Yxy(38.4718, 0.2800, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	9DA6C5
RGB	157, 166, 197
RGB Percent	62%, 65%, 77%
CMY	0.3842, 0.3490, 0.2274
CMYK	0.20, 0.16, 0.00, 0.23
HSL	227°, 26%, 69%
HSV	227°, 20%, 77%
XYZ	37.6252, 38.4718, 58.2788
YIQ	166.8430, -15.3150, 7.7330

Conversions

Conversions Part 2

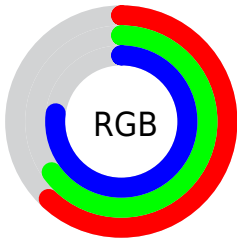
Format	Color
R _Y B	157, 164, 197
Decimal	10331845
CIE Lab	68.37, 3.48, -16.93
CIE LCh	68, 17.279, 281.609
Yxy	38.4718, 0.2800, 0.2863
Android (android.graphics.Color)	4288521925 (0xFF9DA6C5)
YUV	166.8430, 14.8674, -8.6323
Hunter-Lab	62.0256, -0.2654, -12.2905

Details

The Yxy color **38.4718, 0.2800, 0.2863** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3016, 0.3450, 0.3684**, and the grayscale version is **38.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8657, 0.2860, 0.2940**, and **17.0211, 0.2701, 0.2736** is the 20% darker color. If you saturate the color by 10%, you get **31.4169, 0.2620, 0.2615**, and if you desaturate by 10%, it is **46.5101, 0.2968, 0.3086**.

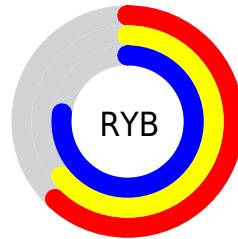
Distribution



Red (62%)

Green (65%)

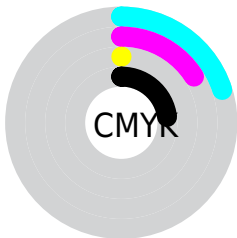
Blue (77%)



Red (62%)

Yellow (64%)

Blue (77%)

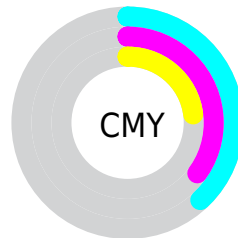


Cyan (20%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4718, 0.2800, 0.2863 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 38.4718, 0.2800, 0.2863 by changing the saturation by 10% instead.

■ 38.4718, 0.2800,
0.2863

■ 38.4718, 0.2800,
0.2863

■ 339.6396, 0.2968,
0.3080

■ 26.3491, 0.2757,
0.2808

■ 72.8307, 0.2862,
0.2942

■ 17.0850, 0.2701,
0.2737

■ 95.8357, 0.2885,
0.2972

■ 10.2951, 0.2625,
0.2642

■ 123.2369, 0.2904,
0.2997

■ 5.5950, 0.2517,
0.2508

■ 155.4186, 0.2921,
0.3018

■ 2.6004, 0.2352,
0.2308

■ 192.7654, 0.2935,
0.3037

■ 0.9269, 0.2074,
0.1979

■ 235.6615, 0.2947,

■ 0.0000, 0.0000,

0.3053

0.0000

284.4915, 0.2958,
0.3067

■ 38.4718, 0.2800,
0.2863

■ 38.4718, 0.2800,
0.2863

■ 31.4169, 0.2620,
0.2615

■ 46.5101, 0.2968,
0.3086

■ 25.3024, 0.2431,
0.2346

■ 55.5632, 0.3123,
0.3285

■ 20.0890, 0.2240,
0.2061

■ 65.6672, 0.3263,
0.3459

■ 15.7324, 0.2055,
0.1769

■ 76.8545, 0.3389,
0.3611

■ 12.1849, 0.1886,
0.1485

■ 89.0533, 0.3497,
0.3743

■ 9.3933, 0.1744,
0.1224

■ 96.8122, 0.3472,
0.3860

■ 7.2977, 0.1636,
0.1002

■ 5.8445, 0.1565,
0.0832

Harmonies

Analogous

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



38.4718, 0.2665, 0.2934



38.4718, 0.2800, 0.2863



38.4718, 0.3025, 0.2900

Triad

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



38.4718, 0.2800, 0.2863



38.4718, 0.3631, 0.3441



38.4718, 0.2957, 0.3573

Complementary

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



38.4718, 0.2800, 0.2863



50.3016, 0.3450, 0.3684

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.



38.4718, 0.3213, 0.3722



38.4718, 0.2800, 0.2863



38.4718, 0.3608, 0.3631

Square

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



38.4718, 0.2800, 0.2863



38.4718, 0.3512, 0.3224



38.4718, 0.3453, 0.3739



38.4718, 0.2753, 0.3342

Rectangle

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



38.4718, 0.2800, 0.2863



38.4718, 0.3200, 0.2977



38.4718, 0.3453, 0.3739



38.4718, 0.3040, 0.3635

Sweetspot

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



38.4734, 0.2800, 0.2863



89.8707, 0.3035, 0.3173



50.7315, 0.2889, 0.3414



19.0089, 0.3025, 0.3159



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.



38.4734, 0.2800, 0.2863



63.5374, 0.2728, 0.2765



36.4487, 0.2884, 0.2750



10.6666, 0.2983, 0.3105



3.9479, 0.1570, 0.0852



0.2992, 0.1682, 0.1256

Inverse Universe

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



38.7511, 0.3439, 0.3175



64.2847, 0.3519, 0.3150



52.8621, 0.3340, 0.3805



10.6752, 0.3255, 0.3238



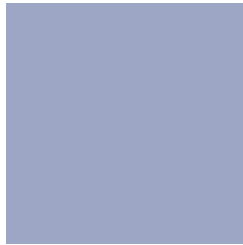
7.9385, 0.5987, 0.3072



0.3872, 0.5387, 0.2741

Previews

White Background



This preview shows how the Yxy color 38.4718, 0.2800, 0.2863 looks on a white background.

Color Contrast Check

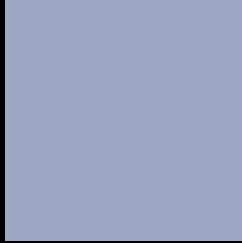
Large Text (above 18pt) WCAG AA × Fail

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 38.4718, 0.2800, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

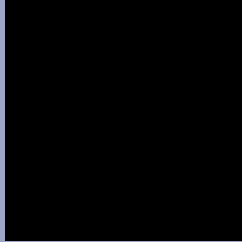
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4718, 0.2800, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 38.4718, 0.2800, 0.2863.



This preview shows how white text looks on a background with the Yxy color 38.4718, 0.2800, 0.2863.

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

38.4718, 0.2800, 0.2863

Protanopia

38.3694, 0.2831, 0.2865

Deuteranopia

38.4871, 0.2874, 0.2820



Tritanopia

38.6234, 0.2891, 0.3105

Trichromacy



Original Color

38.4718, 0.2800, 0.2863

Protanomaly

38.2667, 0.2823, 0.2864

Deuteranomaly

38.4147, 0.2841, 0.2829

Tritanomaly

38.5617, 0.2860, 0.3022

Monochromacy



Original Color

38.4718, 0.2800, 0.2863

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.6383, 0.2999, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4718, 0.2800, 0.2863 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(157, 166, 197)` looks like.

```
.text, #text, p{  
    color:rgb(157, 166, 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(157, 166, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 166, 197) }
```

Border

The CSS property to change the border of an element to Yxy 38.4718, 0.2800, 0.2863 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(157, 166, 197) }
```

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

```
.border{ border-color:rgb(157, 166, 197) }
```

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

Here you see how a box with a 4 pixel rgb(157, 166, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 166, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 166, 197);  
box-shadow:4px 4px 4px 4px rgb(157, 166,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4718, 0.2800, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 166, 197) }
```

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

```
.background{ background-color: rgb(157,  
166, 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](#).

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