

Converting Colors

$Y_{xy}(40.5790, 0.2865, 0.2896)$

Have a look what the booklet for
Yxy(40.5790, 0.2865, 0.2896)
contains.

Yxy(40.5601, 0.2869, 0.2901)	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(40.5601, 0.2869, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	A6A9C6
RGB	166, 169, 198
RGB Percent	65%, 66%, 78%
CMY	0.3489, 0.3373, 0.2235
CMYK	0.16, 0.15, 0.00, 0.22
HSL	234°, 22%, 71%
HSV	234°, 16%, 78%
XYZ	40.1127, 40.5601, 59.1414
YIQ	171.4090, -11.0970, 8.3830

Conversions

Conversions Part 2

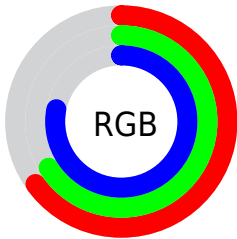
Format	Color
R _Y B	166, 169, 198
Decimal	10922438
CIE Lab	69.87, 4.93, -15.14
CIE LCh	70, 15.920, 288.045
Yxy	40.5601, 0.2869, 0.2901
Android (android.graphics.Color)	4289112518 (0xFFA6A9C6)
YUV	171.4090, 13.1094, -4.7437
Hunter-Lab	63.6868, 0.9751, -10.4776

Details

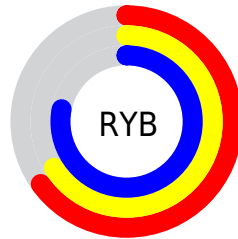
The Yxy color $40.5601, 0.2869, 0.2901$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $53.8124, 0.3372, 0.3651$, and the grayscale version is $40.8814, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9035, 0.2914, 0.2968$, and $18.3136, 0.2795, 0.2792$ is the 20% darker color. If you saturate the color by 10%, you get $32.3507, 0.2686, 0.2621$, and if you desaturate by 10%, it is $50.0213, 0.3034, 0.3151$.

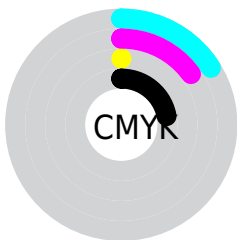
Distribution



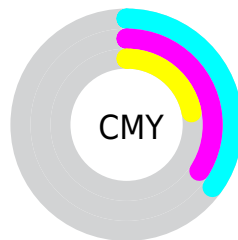
- Red (65%)
- Green (66%)
- Blue (78%)



- Red (65%)
- Yellow (66%)
- Blue (78%)



- Cyan (16%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (35%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5601, 0.2869, 0.2901 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 40.5601, 0.2869, 0.2901 by changing the saturation by 10% instead.

■ 40.5601, 0.2869,
0.2901

■ 40.5601, 0.2869,
0.2901

■ 348.4787, 0.3001,
0.3097

■ 27.9755, 0.2835,
0.2852

■ 76.0157, 0.2918,
0.2972

■ 18.3072, 0.2791,
0.2789

■ 99.6554, 0.2936,
0.2999

■ 11.1708, 0.2732,
0.2705

■ 127.7490, 0.2951,
0.3022

■ 6.1818, 0.2648,
0.2587

■ 160.6809, 0.2964,
0.3041

■ 2.9560, 0.2520,
0.2413

■ 198.8354, 0.2975,
0.3058

■ 1.1088, 0.2303,
0.2128

■ 242.5969, 0.2985,

■ 0.0000, 0.0924,

0.3072

0.0000

292.3499, 0.2993,
0.3085

0.0000, 0.0000,
0.0000

40.5601, 0.2869,
0.2901

40.5601, 0.2869,
0.2901

32.3507, 0.2686,
0.2621

50.0213, 0.3034,
0.3151

25.3357, 0.2490,
0.2314

60.7783, 0.3182,
0.3371

19.4609, 0.2285,
0.1989

72.8794, 0.3312,
0.3563

14.6658, 0.2082,
0.1660

86.3688, 0.3426,
0.3729

10.8844, 0.1893,
0.1345

96.8573, 0.3466,
0.3850

■ 8.0431, 0.1732,
0.1067

■ 6.0588, 0.1611,
0.0846

■ 4.8318, 0.1536,
0.0698

■ 4.5197, 0.1516,
0.0658

Harmonies

Analogous

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



40.5601, 0.2725, 0.2945



40.5601, 0.2869, 0.2901



40.5601, 0.3086, 0.2954

Triad

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



40.5601, 0.2869, 0.2901



40.5601, 0.3590, 0.3469



40.5601, 0.2928, 0.3505

Complementary

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



40.5601, 0.2869, 0.2901



53.8124, 0.3372, 0.3651

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.



40.5601, 0.3155, 0.3659



40.5601, 0.2869, 0.2901



40.5601, 0.3542, 0.3628

Square

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



40.5601, 0.2869, 0.2901



40.5601, 0.3508, 0.3273



40.5601, 0.3380, 0.3703



40.5601, 0.2759, 0.3290

Rectangle

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



40.5601, 0.2869, 0.2901



40.5601, 0.3244, 0.3036



40.5601, 0.3380, 0.3703



40.5601, 0.3000, 0.3566

Sweetspot

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



40.5618, 0.2869, 0.2901



90.4994, 0.3051, 0.3176



52.4316, 0.2907, 0.3331



19.0951, 0.3040, 0.3160



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.



40.5618, 0.2869, 0.2901



67.0230, 0.2813, 0.2816



40.9266, 0.2976, 0.2874



10.4425, 0.2983, 0.3074



2.9955, 0.1519, 0.0669



0.1972, 0.1581, 0.0892

Inverse Universe

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



42.1569, 0.3402, 0.3253



70.3724, 0.3468, 0.3245



53.4850, 0.3261, 0.3700



10.6526, 0.3275, 0.3269



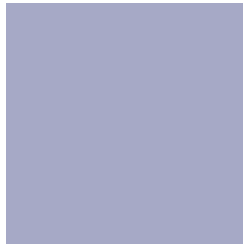
7.8424, 0.6284, 0.3235



0.3769, 0.5925, 0.3038

Previews

White Background



This preview shows how the Yxy color 40.5601, 0.2869, 0.2901 looks on a white background.

Color Contrast Check

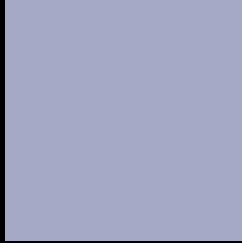
Large Text (above 18pt) WCAG AA × Fail

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 40.5601, 0.2869, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

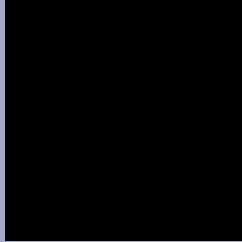
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5601, 0.2869, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 40.5601, 0.2869, 0.2901.



This preview shows how white text looks on a background with the Yxy color 40.5601, 0.2869, 0.2901.

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

40.5601, 0.2869, 0.2901

Protanopia

40.4525, 0.2860, 0.2900

Deuteranopia

40.3946, 0.2927, 0.2856



Tritanopia

40.5211, 0.2953, 0.3097

Trichromacy



Original Color

40.5601, 0.2869, 0.2901

Protanomaly

40.4525, 0.2860, 0.2900

Deuteranomaly

40.4189, 0.2902, 0.2866

Tritanomaly

40.4665, 0.2922, 0.3017

Monochromacy



Original Color

40.5601, 0.2869, 0.2901

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.5207, 0.3027, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5601, 0.2869, 0.2901 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(166, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(166, 169, 198)  
}
```

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(166, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 169, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.5601, 0.2869, 0.2901 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(166, 169, 198) }
```

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

```
.border{ border-color:rgb(166, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(166, 169,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5601, 0.2869, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 169, 198) }
```

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

```
.background{ background-color: rgb(166,  
169, 198) }
```

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