

Converting Colors

$Y_{xy}(40.8802, 0.2663, 0.2802)$

Have a look what the booklet for
Yxy(40.8802, 0.2663, 0.2802)
contains.

Yxy(40.8802, 0.2663, 0.2802)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8802, 0.2663, 0.2802)

Conversions

Conversions Part 1

Format	Color
Hex	95ADD1
RGB	149, 173, 209
RGB Percent	58%, 68%, 82%
CMY	0.4155, 0.3216, 0.1804
CMYK	0.29, 0.17, 0.00, 0.18
HSL	216°, 39%, 70%
HSV	216°, 29%, 82%
XYZ	38.8522, 40.8802, 66.1641
YIQ	169.9280, -25.8600, 6.1080

Conversions

Conversions Part 2

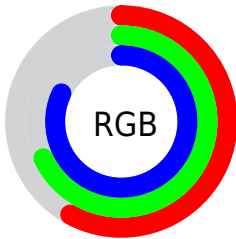
Format	Color
RYB	149, 166, 209
Decimal	9809361
CIELab	70.09, -0.01, -20.97
CIElCh	70, 20.967, 269.972
Yxy	40.8802, 0.2663, 0.2802
Android (android.graphics.Color)	4287999441 (0xFF95ADD1)
YUV	169.9280, 19.2625, -18.3539
Hunter-Lab	63.9376, -3.4238, -16.5983

Details

The Yxy color **40.8802, 0.2663, 0.2802** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.4462, 0.3632, 0.3733**, and the grayscale version is **40.0771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5442, 0.2809, 0.3001**, and **18.5492, 0.2537, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **34.4989, 0.2491, 0.2597**, and if you desaturate by 10%, it is **48.0698, 0.2832, 0.2989**.

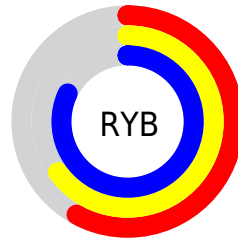
Distribution



Red (58%)

Green (68%)

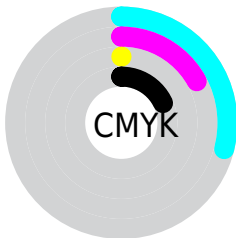
Blue (82%)



Red (58%)

Yellow (65%)

Blue (82%)

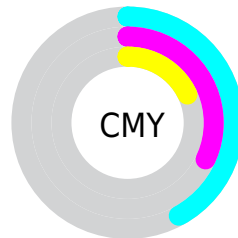


Cyan (29%)

Magenta (17%)

Yellow (0%)

Black (18%)



Cyan (42%)

Magenta (32%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8802, 0.2663, 0.2802 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 40.8802, 0.2663, 0.2802 by changing the saturation by 10% instead.

■ 40.8802, 0.2663,
0.2802

■ 40.8802, 0.2663,
0.2802

349.8197, 0.2897,
0.3048

■ 28.2255, 0.2604,
0.2740

■ 76.5020, 0.2748,
0.2892

■ 18.4957, 0.2529,
0.2661

■ 100.2379, 0.2780,
0.2925

■ 11.3065, 0.2429,
0.2556

128.4363, 0.2807,
0.2954

■ 6.2734, 0.2291,
0.2411

161.4816, 0.2830,
0.2978

■ 3.0120, 0.2088,
0.2197

199.7581, 0.2850,
0.2999

■ 1.1380, 0.1766,
0.1858

243.6504, 0.2868,

■ 0.0102, 0.0059,

0.3017

0.0064

293.5428, 0.2883,
0.3034

0.0000, 0.0000,
0.0000

40.8802, 0.2663,
0.2802

40.8802, 0.2663,
0.2802

34.4989, 0.2491,
0.2597

48.0698, 0.2832,
0.2989

28.8897, 0.2319,
0.2378

56.0921, 0.2994,
0.3158

24.0208, 0.2155,
0.2149

64.9767, 0.3147,
0.3309

19.8555, 0.2004,
0.1915

74.7498, 0.3289,
0.3442

16.3537, 0.1873,
0.1685

85.4367, 0.3422,
0.3559

■ 13.4695, 0.1767,
0.1468

■ 93.1851, 0.3411,
0.3678

■ 11.1389, 0.1689,
0.1271

■ 97.3835, 0.3400,
0.3741

■ 10.8642, 0.1680,
0.1247

Harmonies

Analogous

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



40.8802, 0.2557, 0.2931



40.8802, 0.2663, 0.2802



40.8802, 0.2892, 0.2799

Triad

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



40.8802, 0.2663, 0.2802



40.8802, 0.3692, 0.3366



40.8802, 0.3038, 0.3715

Complementary

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



40.8802, 0.2663, 0.2802



50.4462, 0.3632, 0.3733

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.



40.8802, 0.3344, 0.3834



40.8802, 0.2663, 0.2802



40.8802, 0.3731, 0.3611

Square

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



40.8802, 0.2663, 0.2802



40.8802, 0.3492, 0.3115



40.8802, 0.3600, 0.3788



40.8802, 0.2765, 0.3464

Rectangle

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



40.8802, 0.2663, 0.2802



40.8802, 0.3090, 0.2863



40.8802, 0.3600, 0.3788



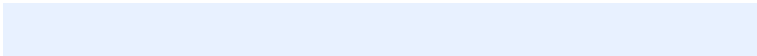
40.8802, 0.3140, 0.3773

Sweetspot

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



40.8818, 0.2663, 0.2802



87.4234, 0.2987, 0.3151



55.4984, 0.2859, 0.3609



18.2997, 0.2964, 0.3128



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.



40.8818, 0.2663, 0.2802



58.2573, 0.2565, 0.2687



33.0850, 0.2677, 0.2475



12.1816, 0.2982, 0.3147



6.8796, 0.1687, 0.1273



0.5381, 0.1790, 0.1642

Inverse Universe

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



38.0812, 0.3505, 0.2994



53.6847, 0.3609, 0.2932



60.4696, 0.3508, 0.4013



11.8854, 0.3229, 0.3197



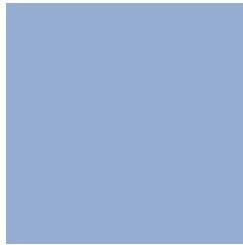
8.7658, 0.5364, 0.2728



0.5056, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 40.8802, 0.2663, 0.2802 looks on a white background.

Color Contrast Check

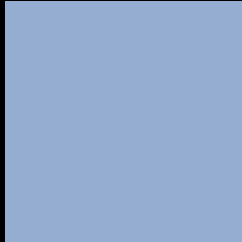
Large Text (above 18pt) WCAG AA × Fail

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 40.8802, 0.2663, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

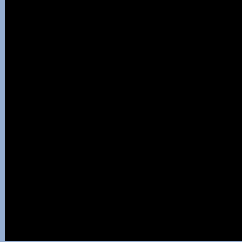
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

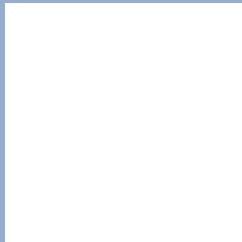
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8802, 0.2663, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 40.8802, 0.2663, 0.2802.

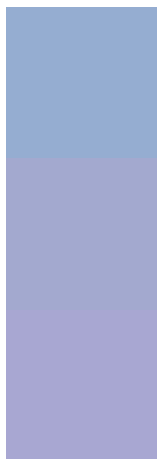


This preview shows how white text looks on a background with the Yxy color 40.8802, 0.2663, 0.2802.

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

40.8802, 0.2663, 0.2802

Protanopia

40.6675, 0.2778, 0.2786

Deuteranopia

40.6154, 0.2795, 0.2729



Tritanopia

40.7881, 0.2766, 0.3091

Trichromacy



Original Color

40.8802, 0.2663, 0.2802

Protanomaly

40.5726, 0.2733, 0.2782

Deuteranomaly

40.6061, 0.2741, 0.2747

Tritanomaly

40.8022, 0.2724, 0.2983

Monochromacy



Original Color

40.8802, 0.2663, 0.2802

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2679, 0.2943, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8802, 0.2663, 0.2802 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(149, 173, 209)` looks like.

```
.text, #text, p{  
    color:rgb(149, 173, 209)  
}
```

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(149, 173, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 173, 209) }
```

Border

The CSS property to change the border of an element to Yxy 40.8802, 0.2663, 0.2802 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(149, 173, 209) }
```

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

```
.border{ border-color:rgb(149, 173, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 173, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 173, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 173, 209);  
box-shadow:4px 4px 4px 4px rgb(149, 173,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8802, 0.2663, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 173, 209) }
```

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

```
.background{ background-color: rgb(149,  
173, 209) }
```

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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