

Converting Colors

$Y_{xy}(40.8026, 0.2816, 0.3042)$

Have a look what the booklet for
Yxy(40.8026, 0.2816, 0.3042)
contains.

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Color

Yxy(40.8502, 0.2812, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	99AEC0
RGB	153, 174, 192
RGB Percent	60%, 68%, 75%
CMY	0.3997, 0.3177, 0.2470
CMYK	0.20, 0.09, 0.00, 0.25
HSL	208°, 24%, 68%
HSV	208°, 20%, 75%
XYZ	37.7989, 40.8502, 55.7708
YIQ	169.7730, -18.2940, 1.1460

Conversions

Conversions Part 2

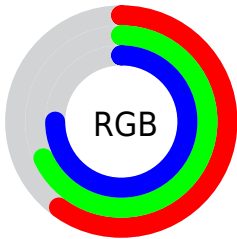
Format	Color
R _Y B	153, 167, 192
Decimal	10071744
CIE Lab	70.07, -3.30, -11.62
CIE LCh	70, 12.084, 254.134
Yxy	40.8502, 0.2812, 0.3039
Android (android.graphics.Color)	4288261824 (0xFF99AEC0)
YUV	169.7730, 10.9579, -14.7099
Hunter-Lab	63.9142, -6.2848, -6.9959

Details

The Yxy color **40.8502, 0.2812, 0.3039** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.6774, 0.3479, 0.3529**, and the grayscale version is **40.0378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2258, 0.2874, 0.3086**, and **18.5498, 0.2711, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **35.8079, 0.2652, 0.2895**, and if you desaturate by 10%, it is **46.4240, 0.2970, 0.3170**.

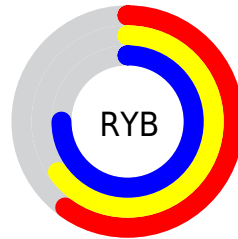
Distribution



Red (60%)

Green (68%)

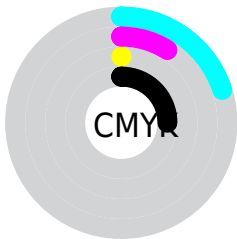
Blue (75%)



Red (60%)

Yellow (65%)

Blue (75%)

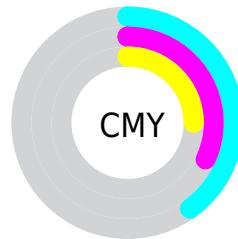


Cyan (20%)

Magenta (9%)

Yellow (0%)

Black (25%)



Cyan (40%)

Magenta (32%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8502, 0.2812, 0.3039 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 40.8502, 0.2812, 0.3039 by changing the saturation by 10% instead.

■ 40.8502, 0.2812,
0.3039

■ 40.8502, 0.2812,
0.3039

349.6941, 0.2972,
0.3168

■ 28.2021, 0.2772,
0.3006

■ 76.4564, 0.2870,
0.3086

■ 18.4780, 0.2719,
0.2963

■ 100.1833, 0.2892,
0.3104

■ 11.2937, 0.2649,
0.2905

128.3719, 0.2911,
0.3119

■ 6.2648, 0.2550,
0.2822

161.4066, 0.2926,
0.3132

■ 3.0067, 0.2401,
0.2694

199.6718, 0.2940,
0.3142

■ 1.1352, 0.2151,
0.2475

243.5518, 0.2952,

■ 0.0078, 0.0000,

0.3152

0.0095

293.4311, 0.2962,
0.3160

0.0000, 0.0000,
0.0000

40.8502, 0.2812,
0.3039

40.8502, 0.2812,
0.3039

35.8079, 0.2652,
0.2895

46.4240, 0.2970,
0.3170

31.2733, 0.2494,
0.2740

52.5420, 0.3123,
0.3287

27.2282, 0.2340,
0.2573

59.2224, 0.3270,
0.3392

23.6508, 0.2197,
0.2398

66.4813, 0.3409,
0.3484

20.5176, 0.2068,
0.2219

74.3339, 0.3540,
0.3566

■ 17.8019, 0.1959,
0.2039

■ 80.1875, 0.3564,
0.3649

■ 15.4731, 0.1871,
0.1863

■ 85.1873, 0.3544,
0.3735

■ 13.5269, 0.1805,
0.1699

■ 90.4422, 0.3523,
0.3819

■ 95.9557, 0.3504,
0.3900

Harmonies

Analogous

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



40.8502, 0.2793, 0.3154



40.8502, 0.2812, 0.3039



40.8502, 0.2913, 0.2993

Triad

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



40.8502, 0.2812, 0.3039



40.8502, 0.3400, 0.3259



40.8502, 0.3173, 0.3576

Complementary

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



40.8502, 0.2812, 0.3039



42.6774, 0.3479, 0.3529

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.



40.8502, 0.3340, 0.3599



40.8502, 0.2812, 0.3039



40.8502, 0.3474, 0.3410

Square

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



40.8502, 0.2812, 0.3039



40.8502, 0.3252, 0.3119



40.8502, 0.3451, 0.3535



40.8502, 0.2998, 0.3470

Rectangle

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



40.8502, 0.2812, 0.3039



40.8502, 0.3016, 0.3005



40.8502, 0.3451, 0.3535



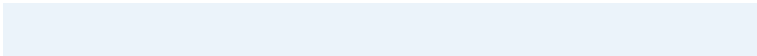
40.8502, 0.3232, 0.3594

Sweetspot

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



40.8519, 0.2812, 0.3039



88.6173, 0.3035, 0.3220



47.4111, 0.2976, 0.3588



18.8568, 0.3024, 0.3212



97.7402, 0.3127, 0.3290



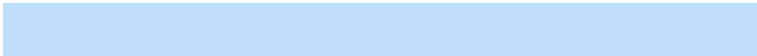
20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8519, 0.2812, 0.3039



70.1433, 0.2746, 0.2982



34.0359, 0.2795, 0.2766



10.6236, 0.2984, 0.3181



9.2577, 0.1811, 0.1720



0.5368, 0.1917, 0.2102

Inverse Universe

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



37.0708, 0.3319, 0.3016



62.3803, 0.3367, 0.2958



50.3680, 0.3433, 0.3765



10.1663, 0.3207, 0.3167



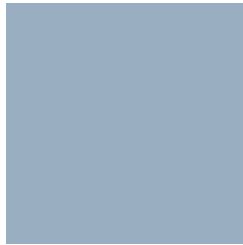
8.2168, 0.4783, 0.2408



0.3688, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 40.8502, 0.2812, 0.3039 looks on a white background.

Color Contrast Check

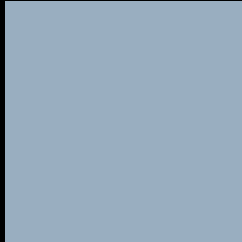
Large Text (above 18pt) WCAG AA × Fail

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 40.8502, 0.2812, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

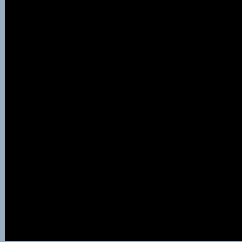
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

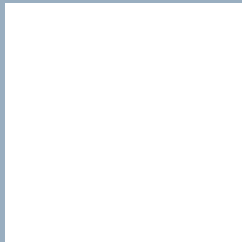
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8502, 0.2812, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 40.8502, 0.2812, 0.3039.



This preview shows how white text looks on a background with the Yxy color 40.8502, 0.2812, 0.3039.

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

40.8502, 0.2812, 0.3039

Protanopia

40.8586, 0.2964, 0.3033

Deuteranopia

40.8796, 0.2993, 0.2935



Tritanopia

40.9662, 0.2833, 0.3107

Trichromacy



Original Color

40.8502, 0.2812, 0.3039

Protanomaly

40.6301, 0.2905, 0.3030

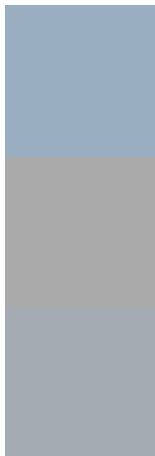
Deuteranomaly

40.9245, 0.2924, 0.2980

Tritanomaly

41.0095, 0.2826, 0.3094

Monochromacy



Original Color

40.8502, 0.2812, 0.3039

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2327, 0.3008, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8502, 0.2812, 0.3039 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, 174, 192)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 192)  
}
```

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, 174, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 192) }
```

Border

The CSS property to change the border of an element to Yxy 40.8502, 0.2812, 0.3039 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, 174, 192) }
```

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

```
.border{ border-color:rgb(153, 174, 192) }
```

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

Here you see how a box with a 4 pixel rgb(153, 174, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 192);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8502, 0.2812, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 192) }
```

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

```
.background{ background-color: rgb(153,  
174, 192) }
```

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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