

Converting Colors

$Y_{xy}(40.0456, 0.2826, 0.2986)$

Have a look what the booklet for
Yxy(40.0456, 0.2826, 0.2986)
contains.

Yxy(40.0440, 0.2826, 0.2986)	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(40.0440, 0.2826, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	9CABC1
RGB	156, 171, 193
RGB Percent	61%, 67%, 76%
CMY	0.3882, 0.3294, 0.2433
CMYK	0.19, 0.11, 0.00, 0.24
HSL	216°, 23%, 68%
HSV	216°, 19%, 76%
XYZ	37.8983, 40.0440, 56.1635
YIQ	169.0230, -16.0020, 3.6620

Conversions

Conversions Part 2

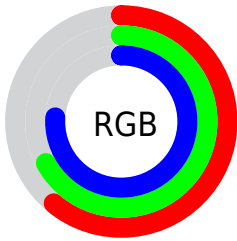
Format	Color
R _{YB}	156, 167, 193
Decimal	10267585
CIE Lab	69.50, -0.52, -12.98
CIE LCh	70, 12.992, 267.686
Yxy	40.0440, 0.2826, 0.2986
Android (android.graphics.Color)	4288457665 (0xFF9CABC1)
YUV	169.0230, 11.8207, -11.4212
Hunter-Lab	63.2803, -3.8377, -8.3257

Details

The Yxy color **40.0440, 0.2826, 0.2986** is a light color, and the websafe version is hex **999999**. A complement of this color would be **45.5681, 0.3446, 0.3576**, and the grayscale version is **39.6360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0811, 0.2886, 0.3045**, and **18.0008, 0.2738, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **34.1234, 0.2658, 0.2801**, and if you desaturate by 10%, it is **46.6498, 0.2987, 0.3153**.

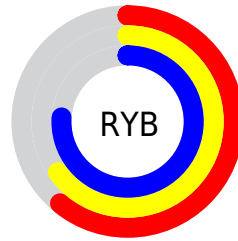
Distribution



Red (61%)

Green (67%)

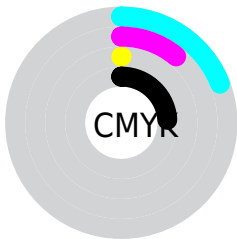
Blue (76%)



Red (61%)

Yellow (65%)

Blue (76%)

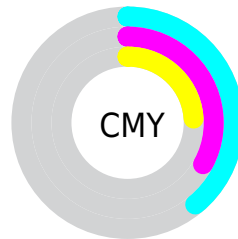


Cyan (19%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (39%)

Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.0440, 0.2826, 0.2986 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 40.0440, 0.2826, 0.2986 by changing the saturation by 10% instead.

■ 40.0440, 0.2826,
0.2986

■ 40.0440, 0.2826,
0.2986

■ 346.3090, 0.2979,
0.3141

■ 27.5729, 0.2787,
0.2946

■ 75.2305, 0.2882,
0.3043

■ 18.0039, 0.2736,
0.2895

■ 98.7147, 0.2903,
0.3064

■ 10.9528, 0.2668,
0.2826

■ 126.6386, 0.2921,
0.3082

■ 6.0351, 0.2572,
0.2727

■ 159.3867, 0.2936,
0.3097

■ 2.8664, 0.2425,
0.2578

■ 197.3434, 0.2949,
0.3111

■ 1.0624, 0.2177,
0.2324

■ 240.8931, 0.2960,

■ 0.0000, 0.0000,

0.3122

0.0000

290.4202, 0.2970,
0.3132

■ 40.0440, 0.2826,
0.2986

■ 40.0440, 0.2826,
0.2986

■ 34.1234, 0.2658,
0.2801

■ 46.6498, 0.2987,
0.3153

■ 28.8592, 0.2487,
0.2599

■ 53.9586, 0.3140,
0.3302

■ 24.2276, 0.2318,
0.2383

■ 61.9934, 0.3283,
0.3434

■ 20.2012, 0.2155,
0.2157

■ 70.7749, 0.3415,
0.3550

■ 16.7503, 0.2006,
0.1927

■ 80.3225, 0.3537,
0.3652

■ 13.8422, 0.1876,
0.1700

■ 87.3287, 0.3529,
0.3760

■ 11.4395, 0.1772,
0.1486

■ 94.2912, 0.3504,
0.3866

■ 9.4852, 0.1694,
0.1290

■ 96.6288, 0.3496,
0.3900

■ 9.3339, 0.1687,
0.1274

Harmonies

Analogous

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



40.0440, 0.2764, 0.3078



40.0440, 0.2826, 0.2986



40.0440, 0.2968, 0.2974

Triad

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



40.0440, 0.2826, 0.2986



40.0440, 0.3471, 0.3330



40.0440, 0.3089, 0.3559

Complementary

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



40.0440, 0.2826, 0.2986



45.5681, 0.3446, 0.3576

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.



40.0440, 0.3280, 0.3626



40.0440, 0.2826, 0.2986



40.0440, 0.3504, 0.3486

Square

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



40.0440, 0.2826, 0.2986



40.0440, 0.3342, 0.3170



40.0440, 0.3433, 0.3597



40.0440, 0.2912, 0.3412

Rectangle

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



40.0440, 0.2826, 0.2986



40.0440, 0.3092, 0.3011



40.0440, 0.3433, 0.3597



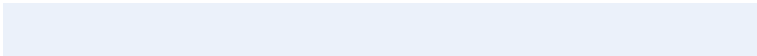
40.0440, 0.3154, 0.3591

Sweetspot

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



40.0456, 0.2826, 0.2986



87.4447, 0.3035, 0.3200



48.3921, 0.2949, 0.3500



18.5794, 0.3025, 0.3190



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.



40.0456, 0.2826, 0.2986



67.1322, 0.2756, 0.2910



35.0134, 0.2840, 0.2776



10.4036, 0.2984, 0.3149



6.3587, 0.1694, 0.1298



0.4100, 0.1820, 0.1750

Inverse Universe

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



38.0570, 0.3352, 0.3094



63.1349, 0.3414, 0.3049



51.4587, 0.3385, 0.3765



10.1441, 0.3227, 0.3197



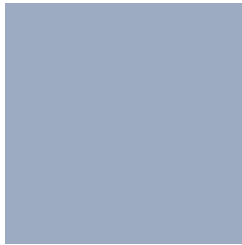
7.9241, 0.5330, 0.2710



0.3560, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 40.0440, 0.2826, 0.2986 looks on a white background.

Color Contrast Check

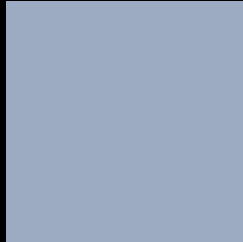
Large Text (above 18pt) WCAG AA × Fail

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 40.0440, 0.2826, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

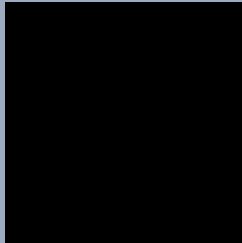
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

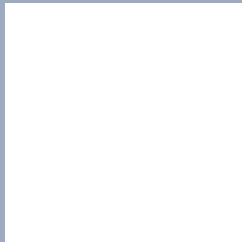
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0440, 0.2826, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 40.0440, 0.2826, 0.2986.



This preview shows how white text looks on a background with the Yxy color 40.0440, 0.2826, 0.2986.

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

40.0440, 0.2826, 0.2986

Protanopia

39.8738, 0.2922, 0.2977

Deuteranopia

39.8040, 0.2966, 0.2905



Tritanopia

40.0188, 0.2870, 0.3093

Trichromacy



Original Color

40.0440, 0.2826, 0.2986

Protanomaly

39.8631, 0.2881, 0.2975

Deuteranomaly

39.7480, 0.2907, 0.2925

Tritanomaly

40.1477, 0.2848, 0.3053

Monochromacy



Original Color

40.0440, 0.2826, 0.2986

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8563, 0.3008, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0440, 0.2826, 0.2986 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(156, 171, 193)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 193)  
}
```

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(156, 171, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 193) }
```

Border

The CSS property to change the border of an element to Yxy 40.0440, 0.2826, 0.2986 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(156, 171, 193) }
```

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

```
.border{ border-color:rgb(156, 171, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 171, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 171, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 171, 193);  
box-shadow:4px 4px 4px 4px rgb(156, 171,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0440, 0.2826, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 193) }
```

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

```
.background{ background-color: rgb(156,  
171, 193) }
```

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