

Converting Colors

$Y_{xy}(40.8094, 0.2975, 0.3227)$

Have a look what the booklet for
Yxy(40.8094, 0.2975, 0.3227)
contains.

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Color

Yxy(40.9600, 0.2974, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	A0AEB2
RGB	160, 174, 178
RGB Percent	63%, 68%, 70%
CMY	0.3725, 0.3176, 0.3021
CMYK	0.10, 0.02, 0.00, 0.30
HSL	193°, 10%, 66%
HSV	193°, 10%, 70%
XYZ	37.6670, 40.9600, 48.0273
YIQ	170.2700, -9.6280, -1.7240

Conversions

Conversions Part 2

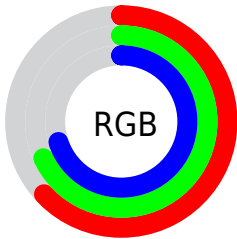
Format	Color
RYB	160, 168, 178
Decimal	10530482
CIELab	70.15, -4.06, -3.71
CIElCh	70, 5.505, 222.416
Yxy	40.9600, 0.2974, 0.3234
Android (android.graphics.Color)	4288720562 (0xFFA0AEB2)
YUV	170.2700, 3.8109, -9.0068
Hunter-Lab	64.0000, -6.9444, 0.3072

Details

The Yxy color $40.9600, 0.2974, 0.3234$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $38.5406, 0.3296, 0.3345$, and the grayscale version is $40.3245, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.4262, 0.3002, 0.3236$, and $18.5879, 0.2928, 0.3231$ is the 20% darker color. If you saturate the color by 10%, you get $37.7602, 0.2825, 0.3173$, and if you desaturate by 10%, it is $44.4703, 0.3126, 0.3289$.

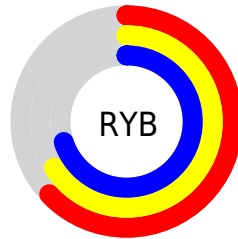
Distribution



Red (63%)

Green (68%)

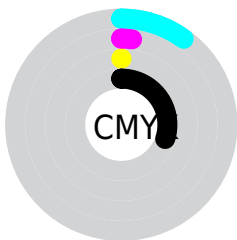
Blue (70%)



Red (63%)

Yellow (66%)

Blue (70%)

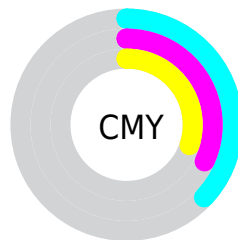


Cyan (10%)

Magenta (2%)

Yellow (0%)

Black (30%)



Cyan (37%)

Magenta (32%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9600, 0.2974, 0.3234 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 40.9600, 0.2974, 0.3234 by changing the saturation by 10% instead.

■ 40.9600, 0.2974,
0.3234

■ 40.9600, 0.2974,
0.3234

350.1534, 0.3052,
0.3263

■ 28.2878, 0.2954,
0.3226

■ 76.6232, 0.3003,
0.3245

■ 18.5427, 0.2928,
0.3216

■ 100.3830, 0.3013,
0.3249

■ 11.3403, 0.2893,
0.3203

128.6074, 0.3022,
0.3252

■ 6.2962, 0.2844,
0.3183

161.6809, 0.3030,
0.3255

■ 3.0260, 0.2767,
0.3151

199.9879, 0.3037,
0.3257

■ 1.1453, 0.2634,
0.3094

243.9127, 0.3042,

■ 0.0164, 0.0000,

0.3260

0.0557

293.8397, 0.3047,
0.3261

0.0000, 0.0000,
0.0000

40.9600, 0.2974,
0.3234

40.9600, 0.2974,
0.3234

37.7602, 0.2825,
0.3173

44.4703, 0.3126,
0.3289

34.8542, 0.2680,
0.3107

48.2968, 0.3277,
0.3340

32.2314, 0.2544,
0.3037

52.4513, 0.3426,
0.3384

29.8788, 0.2420,
0.2962

56.9437, 0.3572,
0.3424

27.7817, 0.2310,
0.2884

61.7832, 0.3712,
0.3459

■ 25.9242, 0.2216,
0.2804

■ 64.6743, 0.3750,
0.3496

■ 24.2882, 0.2141,
0.2724

■ 66.4897, 0.3738,
0.3537

■ 22.8522, 0.2086,
0.2643

■ 68.3521, 0.3726,
0.3577

■ 21.5836, 0.2046,
0.2564

■ 70.2617, 0.3714,
0.3616

Harmonies

Analogous

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



40.9600, 0.3008, 0.3306



40.9600, 0.2974, 0.3234



40.9600, 0.2981, 0.3179

Triad

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



40.9600, 0.2974, 0.3234



40.9600, 0.3180, 0.3208



40.9600, 0.3228, 0.3429

Complementary

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



40.9600, 0.2974, 0.3234



38.5406, 0.3296, 0.3345

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.



40.9600, 0.3276, 0.3400



40.9600, 0.2974, 0.3234



40.9600, 0.3248, 0.3273

Square

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



40.9600, 0.2974, 0.3234



40.9600, 0.3099, 0.3165



40.9600, 0.3283, 0.3343



40.9600, 0.3154, 0.3420

Rectangle

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



40.9600, 0.2974, 0.3234



40.9600, 0.3007, 0.3158



40.9600, 0.3283, 0.3343



40.9600, 0.3248, 0.3423

Sweetspot

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



40.9617, 0.2974, 0.3234



78.7302, 0.3081, 0.3274



41.9817, 0.3084, 0.3490



17.3279, 0.3069, 0.3269



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.9617, 0.2974, 0.3234



73.0338, 0.2942, 0.3222



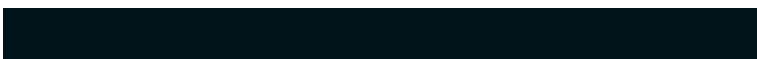
37.6311, 0.2973, 0.3107



9.3068, 0.2986, 0.3239



15.5438, 0.2048, 0.2573



0.5680, 0.2110, 0.2795

Inverse Universe

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



37.6602, 0.3174, 0.3099



65.9325, 0.3185, 0.3059



41.8427, 0.3282, 0.3466



8.6140, 0.3170, 0.3114



8.1093, 0.3850, 0.1894



0.2631, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 40.9600, 0.2974, 0.3234 looks on a white background.

Color Contrast Check

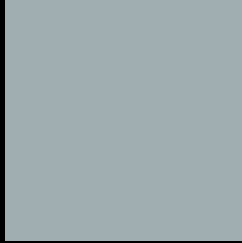
Large Text (above 18pt) WCAG AA × Fail

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 40.9600, 0.2974, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

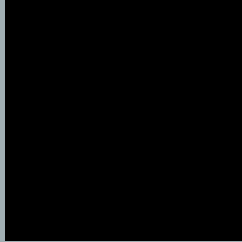
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

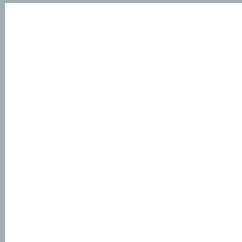
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9600, 0.2974, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 40.9600, 0.2974, 0.3234.



This preview shows how white text looks on a background with the Yxy color 40.9600, 0.2974, 0.3234.

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

40.9600, 0.2974, 0.3234

Protanopia

40.7683, 0.3104, 0.3208

Deuteranopia

40.7581, 0.3173, 0.3105



Tritanopia

41.0094, 0.2920, 0.3110

Trichromacy



Original Color

40.9600, 0.2974, 0.3234

Protanomaly

40.6250, 0.3051, 0.3207

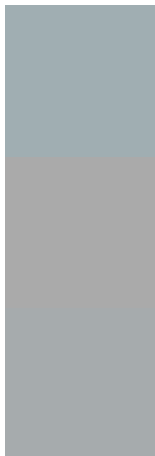
Deuteranomaly

40.7446, 0.3097, 0.3155

Tritanomaly

40.8831, 0.2943, 0.3151

Monochromacy



Original Color

40.9600, 0.2974, 0.3234

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2499, 0.3066, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9600, 0.2974, 0.3234 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(160, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(160, 174, 178)  
}
```

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(160, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 174, 178) }
```

Border

The CSS property to change the border of an element to Yxy 40.9600, 0.2974, 0.3234 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(160, 174, 178) }
```

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

```
.border{ border-color:rgb(160, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(160, 174,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9600, 0.2974, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 174, 178) }
```

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

```
.background{ background-color: rgb(160,  
174, 178) }
```

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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