

Converting Colors

$Y_{xy}(41.0096, 0.2867, 0.3170)$

Have a look what the booklet for
Yxy(41.0096, 0.2867, 0.3170)
contains.

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Color

Yxy(40.7960, 0.2863, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	98AFB8
RGB	152, 175, 184
RGB Percent	60%, 69%, 72%
CMY	0.4037, 0.3138, 0.2784
CMYK	0.17, 0.05, 0.00, 0.28
HSL	197°, 18%, 66%
HSV	197°, 17%, 72%
XYZ	36.9383, 40.7960, 51.2853
YIQ	169.1490, -16.5970, -2.0770

Conversions

Conversions Part 2

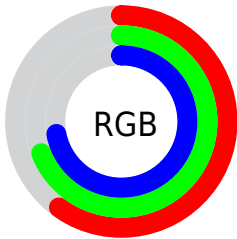
Format	Color
RYB	152, 165, 184
Decimal	10006456
CIELab	70.03, -5.95, -7.28
CIELCh	70, 9.402, 230.730
Yxy	40.7960, 0.2863, 0.3162
Android (android.graphics.Color)	4288196536 (0xFF98AFB8)
YUV	169.1490, 7.3215, -15.0397
Hunter-Lab	63.8717, -8.5454, -2.8962

Details

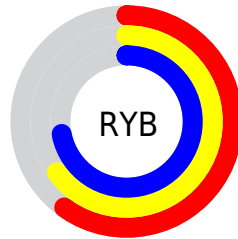
The Yxy color **40.7960, 0.2863, 0.3162** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9775, 0.3435, 0.3415**, and the grayscale version is **39.7278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7085, 0.2915, 0.3192**, and **18.5713, 0.2790, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **37.1729, 0.2714, 0.3079**, and if you desaturate by 10%, it is **44.7758, 0.3015, 0.3238**.

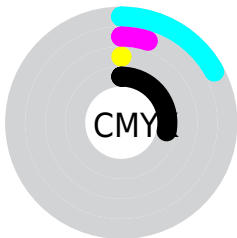
Distribution



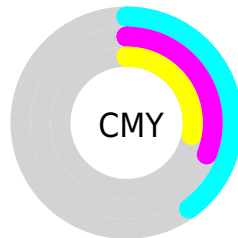
- Red (60%)
- Green (69%)
- Blue (72%)



- Red (60%)
- Yellow (65%)
- Blue (72%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (28%)



- Cyan (40%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7960, 0.2863, 0.3162 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 40.7960, 0.2863, 0.3162 by changing the saturation by 10% instead.

■ 40.7960, 0.2863,
0.3162

■ 40.7960, 0.2863,
0.3162

■ 349.4673, 0.2997,
0.3229

■ 28.1597, 0.2829,
0.3145

■ 76.3741, 0.2912,
0.3187

■ 18.4461, 0.2785,
0.3122

■ 100.0847, 0.2930,
0.3196

■ 11.2707, 0.2725,
0.3090

■ 128.2556, 0.2946,
0.3204

■ 6.2492, 0.2641,
0.3045

■ 161.2711, 0.2959,
0.3210

■ 2.9972, 0.2513,
0.2973

■ 199.5156, 0.2971,
0.3216

■ 1.1303, 0.2295,
0.2844

■ 243.3736, 0.2980,

■ 0.0036, 0.0000,

0.3221

0.0070

293.2293, 0.2989,
0.3225

0.0000, 0.0000,
0.0000

40.7960, 0.2863,
0.3162

40.7960, 0.2863,
0.3162

37.1729, 0.2714,
0.3079

44.7758, 0.3015,
0.3238

33.8880, 0.2570,
0.2989

49.1200, 0.3167,
0.3307

30.9284, 0.2435,
0.2893

53.8423, 0.3316,
0.3369

28.2783, 0.2312,
0.2792

58.9540, 0.3462,
0.3425

25.9204, 0.2206,
0.2688

64.4659, 0.3602,
0.3473

■ 23.8352, 0.2117,
0.2582

■ 68.9465, 0.3677,
0.3521

■ 22.0000, 0.2048,
0.2476

■ 71.4929, 0.3663,
0.3573

■ 20.3822, 0.1997,
0.2372

■ 74.1229, 0.3649,
0.3625

■ 19.9784, 0.1985,
0.2345

■ 76.8372, 0.3634,
0.3677

Harmonies

Analogous

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



40.7960, 0.2902, 0.3281



40.7960, 0.2863, 0.3162



40.7960, 0.2893, 0.3082

Triad

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



40.7960, 0.2863, 0.3162



40.7960, 0.3254, 0.3178



40.7960, 0.3267, 0.3532

Complementary

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



40.7960, 0.2863, 0.3162



37.9775, 0.3435, 0.3415

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.



40.7960, 0.3365, 0.3498



40.7960, 0.2863, 0.3162



40.7960, 0.3358, 0.3293

Square

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



40.7960, 0.2863, 0.3162



40.7960, 0.3117, 0.3093



40.7960, 0.3399, 0.3409



40.7960, 0.3133, 0.3498

Rectangle

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



40.7960, 0.2863, 0.3162



40.7960, 0.2949, 0.3059



40.7960, 0.3399, 0.3409



40.7960, 0.3306, 0.3527

Sweetspot

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



40.7977, 0.2863, 0.3162



82.8936, 0.3050, 0.3255



43.5273, 0.3041, 0.3627



17.7549, 0.3039, 0.3250



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.7977, 0.2863, 0.3162



71.2517, 0.2803, 0.3130



35.1123, 0.2852, 0.2937



9.7703, 0.2985, 0.3224



13.8904, 0.1988, 0.2357



0.5889, 0.2063, 0.2626

Inverse Universe

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



35.7591, 0.3231, 0.2982



60.4871, 0.3259, 0.2909



43.7318, 0.3400, 0.3620



9.1183, 0.3179, 0.3127



8.1846, 0.4067, 0.2014



0.2985, 0.3799, 0.1866

Previews

White Background



This preview shows how the Yxy color 40.7960, 0.2863, 0.3162 looks on a white background.

Color Contrast Check

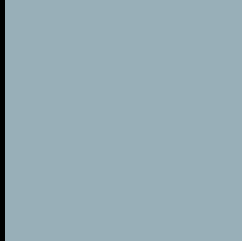
Large Text (above 18pt) WCAG AA × Fail

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 40.7960, 0.2863, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

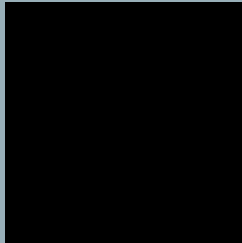
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

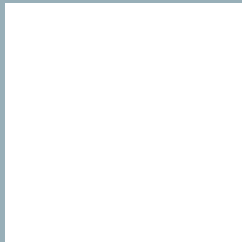
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7960, 0.2863, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 40.7960, 0.2863, 0.3162.



This preview shows how white text looks on a background with the Yxy color 40.7960, 0.2863, 0.3162.

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

40.7960, 0.2863, 0.3162

Protanopia

40.7436, 0.3045, 0.3140

Deuteranopia

40.6414, 0.3094, 0.3026



Tritanopia

40.6752, 0.2841, 0.3094

Trichromacy



Original Color

40.7960, 0.2863, 0.3162

Protanomaly

40.7750, 0.2976, 0.3152

Deuteranomaly

40.4248, 0.3004, 0.3073

Tritanomaly

40.6323, 0.2848, 0.3107

Monochromacy



Original Color

40.7960, 0.2863, 0.3162

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9683, 0.3031, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7960, 0.2863, 0.3162 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(152, 175, 184)` looks like.

```
.text, #text, p{  
    color:rgb(152, 175, 184)  
}
```

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(152, 175, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 175, 184) }
```

Border

The CSS property to change the border of an element to Yxy 40.7960, 0.2863, 0.3162 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(152, 175, 184) }
```

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

```
.border{ border-color:rgb(152, 175, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 175, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 175, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 175, 184);  
box-shadow:4px 4px 4px 4px rgb(152, 175,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7960, 0.2863, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 175, 184) }
```

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

```
.background{ background-color: rgb(152,  
175, 184) }
```

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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