

Converting Colors

$Yxy(40.3444, 0.2597, 0.2991)$

Have a look what the booklet for
Yxy(40.3444, 0.2597, 0.2991)
contains.

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Color

Yxy(40.1886, 0.2600, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	81B1C6
RGB	129, 177, 198
RGB Percent	51%, 69%, 78%
CMY	0.4941, 0.3059, 0.2235
CMYK	0.35, 0.11, 0.00, 0.22
HSL	198°, 38%, 64%
HSV	198°, 35%, 78%
XYZ	34.9700, 40.1886, 59.3414
YIQ	165.0420, -35.3490, -3.6450

Conversions

Conversions Part 2

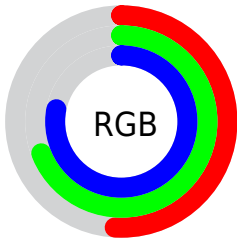
Format	Color
R _Y B	129, 157, 198
Decimal	8499654
CIE Lab	69.60, -10.70, -15.77
CIE LCh	70, 19.061, 235.846
Yxy	40.1886, 0.2600, 0.2988
Android (android.graphics.Color)	4286689734 (0xFF81B1C6)
YUV	165.0420, 16.2483, -31.6088
Hunter-Lab	63.3945, -12.4752, -11.1232

Details

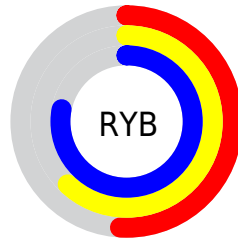
The Yxy color **40.1886, 0.2600, 0.2988** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.4100, 0.3848, 0.3571**, and the grayscale version is **37.5835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6882, 0.2696, 0.3048**, and **17.9654, 0.2446, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **36.4577, 0.2460, 0.2885**, and if you desaturate by 10%, it is **44.3283, 0.2748, 0.3084**.

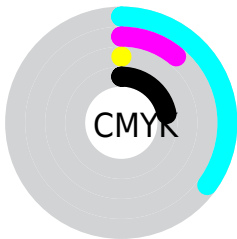
Distribution



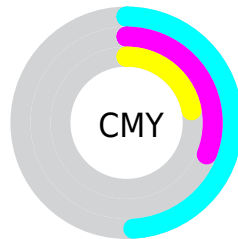
- Red (51%)
- Green (69%)
- Blue (78%)



- Red (51%)
- Yellow (62%)
- Blue (78%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)





- Cyan (49%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1886, 0.2600, 0.2988 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 40.1886, 0.2600, 0.2988 by changing the saturation by 10% instead.


 40.1886, 0.2600,
0.2988


 40.1886, 0.2600,
0.2988


346.9179, 0.2865,
0.3146


 27.6856, 0.2534,
0.2947


 75.4506, 0.2696,
0.3047

 18.0888, 0.2449,
0.2892


 98.9785, 0.2733,
0.3069

 11.0138, 0.2336,
0.2818


 126.9500, 0.2763,
0.3087

 6.0761, 0.2179,
0.2712

159.7497, 0.2789,
0.3102

 2.8914, 0.1948,
0.2546

197.7620, 0.2812,
0.3115

 1.0753, 0.1577,
0.2263

241.3712, 0.2832,

 0.0000, 0.0000,

0.3127

0.0000

290.9616, 0.2849,
0.3137

■ 40.1886, 0.2600,
0.2988

■ 40.1886, 0.2600,
0.2988

■ 36.4577, 0.2460,
0.2885

■ 44.3283, 0.2748,
0.3084

■ 33.1120, 0.2331,
0.2776

■ 48.8895, 0.2900,
0.3173

■ 30.1327, 0.2216,
0.2664

■ 53.8898, 0.3053,
0.3254

■ 27.4967, 0.2120,
0.2548

■ 59.3445, 0.3205,
0.3327

■ 25.1777, 0.2043,
0.2433

■ 65.2679, 0.3354,
0.3392

■ 23.1437, 0.1986,
0.2319

■ 71.6738, 0.3498,
0.3449

■ 22.1750, 0.1961,
0.2260

■ 76.1031, 0.3540,
0.3507

■ 79.3093, 0.3527,
0.3567

■ 82.6307, 0.3514,
0.3626

Harmonies

Analogous

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



40.1886, 0.2652, 0.3218



40.1886, 0.2600, 0.2988



40.1886, 0.2681, 0.2852

Triad

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



40.1886, 0.2600, 0.2988



40.1886, 0.3427, 0.3101



40.1886, 0.3363, 0.3789

Complementary

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



40.1886, 0.2600, 0.2988



35.4100, 0.3848, 0.3571

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.



40.1886, 0.3585, 0.3730



40.1886, 0.2600, 0.2988



40.1886, 0.3626, 0.3328

Square

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



40.1886, 0.2600, 0.2988



40.1886, 0.3150, 0.2923



40.1886, 0.3684, 0.3557



40.1886, 0.3085, 0.3700

Rectangle

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



40.1886, 0.2600, 0.2988



40.1886, 0.2801, 0.2826



40.1886, 0.3684, 0.3557



40.1886, 0.3447, 0.3785

Sweetspot

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



40.1902, 0.2600, 0.2988



90.6268, 0.2972, 0.3212



47.2507, 0.2943, 0.4004



19.1300, 0.2950, 0.3200



0.0000, 0.0000, 0.0000



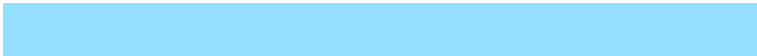
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1902, 0.2600, 0.2988



65.9589, 0.2490, 0.2908



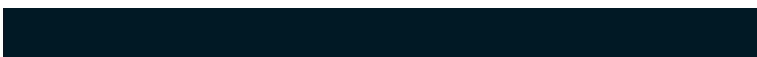
28.3345, 0.2531, 0.2469



11.5014, 0.2984, 0.3218



14.5771, 0.1965, 0.2275



0.8136, 0.2031, 0.2512

Inverse Universe

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



30.8851, 0.3385, 0.2675



47.7036, 0.3462, 0.2539



47.9581, 0.3700, 0.3994



10.7595, 0.3183, 0.3131



9.0116, 0.4152, 0.2061



0.4392, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 40.1886, 0.2600, 0.2988 looks on a white background.

Color Contrast Check

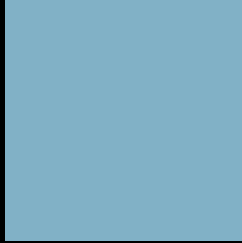
Large Text (above 18pt) WCAG AA × Fail

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 40.1886, 0.2600, 0.2988 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 40.1886, 0.2600, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 40.1886, 0.2600, 0.2988.



This preview shows how white text looks on a background with the Yxy color 40.1886, 0.2600, 0.2988.

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

40.1886, 0.2600, 0.2988

Protanopia

39.9180, 0.2914, 0.2964

Deuteranopia

39.7383, 0.2893, 0.2827



Tritanopia

40.2358, 0.2633, 0.3086

Trichromacy



Original Color

40.1886, 0.2600, 0.2988

Protanomaly

39.7932, 0.2794, 0.2970

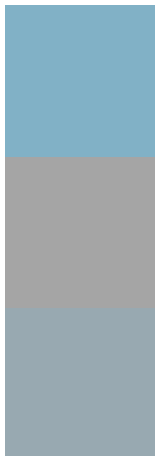
Deuteranomaly

39.5674, 0.2780, 0.2879

Tritanomaly

40.3250, 0.2620, 0.3058

Monochromacy



Original Color

40.1886, 0.2600, 0.2988

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2257, 0.2912, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1886, 0.2600, 0.2988 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(129, 177, 198)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 198)  
}
```

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(129, 177, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.1886, 0.2600, 0.2988 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(129, 177, 198) }
```

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

```
.border{ border-color:rgb(129, 177, 198) }
```

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

Here you see how a box with a 4 pixel rgb(129, 177, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 198);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1886, 0.2600, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 198) }
```

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

```
.background{ background-color: rgb(129,  
177, 198) }
```

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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