

Converting Colors

$Y_{xy}(40.9868, 0.2585, 0.2943)$

Have a look what the booklet for
Yxy(40.9868, 0.2585, 0.2943)
contains.

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Color

Yxy(40.9779, 0.2584, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	83B2CB
RGB	131, 178, 203
RGB Percent	51%, 70%, 80%
CMY	0.4862, 0.3020, 0.2038
CMYK	0.35, 0.12, 0.00, 0.20
HSL	201°, 41%, 66%
HSV	201°, 35%, 80%
XYZ	36.0650, 40.9779, 62.5276
YIQ	166.7970, -36.0370, -2.1890

Conversions

Conversions Part 2

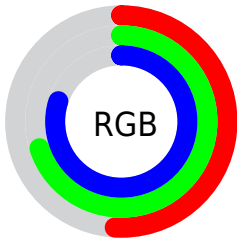
Format	Color
RYB	131, 159, 203
Decimal	8630987
CIELab	70.16, -9.40, -17.69
CIELCh	70, 20.030, 242.011
Yxy	40.9779, 0.2584, 0.2936
Android (android.graphics.Color)	4286821067 (0xFF83B2CB)
YUV	166.7970, 17.8481, -31.3940
Hunter-Lab	64.0140, -11.4589, -13.1035

Details

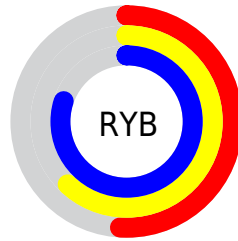
The Yxy color **40.9779, 0.2584, 0.2936** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1365, 0.3853, 0.3616**, and the grayscale version is **38.4678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5047, 0.2709, 0.3060**, and **18.4569, 0.2427, 0.2817** is the 20% darker color. If you saturate the color by 10%, you get **36.7767, 0.2440, 0.2817**, and if you desaturate by 10%, it is **45.6446, 0.2735, 0.3047**.

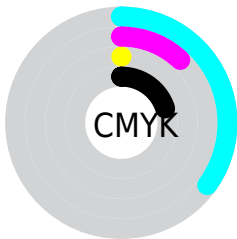
Distribution



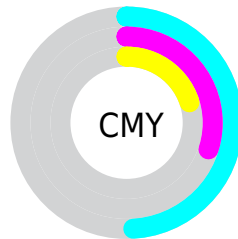
- Red (51%)
- Green (70%)
- Blue (80%)



- Red (51%)
- Yellow (62%)
- Blue (80%)



- Cyan (35%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9779, 0.2584, 0.2936 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 40.9779, 0.2584, 0.2936 by changing the saturation by 10% instead.

■ 40.9779, 0.2584,
0.2936

■ 40.9779, 0.2584,
0.2936

■ 350.2282, 0.2856,
0.3119

■ 28.3018, 0.2516,
0.2889

■ 76.6503, 0.2683,
0.3004

■ 18.5533, 0.2430,
0.2827

■ 100.4155, 0.2720,
0.3029

■ 11.3480, 0.2315,
0.2743

■ 128.6458, 0.2751,
0.3050

■ 6.3014, 0.2158,
0.2625

■ 161.7256, 0.2778,
0.3068

■ 3.0292, 0.1927,
0.2444

■ 200.0394, 0.2801,
0.3083

■ 1.1470, 0.1568,
0.2141

■ 243.9715, 0.2822,

■ 0.0178, 0.0000,

0.3097

0.0136

293.9063, 0.2840,
0.3109

■ 0.0000, 0.0000,
0.0000

■ 40.9779, 0.2584,
0.2936

■ 40.9779, 0.2584,
0.2936

■ 36.7767, 0.2440,
0.2817

■ 45.6446, 0.2735,
0.3047

■ 33.0152, 0.2306,
0.2691

■ 50.7911, 0.2889,
0.3150

■ 29.6725, 0.2186,
0.2560

■ 56.4370, 0.3044,
0.3243

■ 26.7230, 0.2084,
0.2426

■ 62.5992, 0.3196,
0.3327

■ 24.1375, 0.2002,
0.2293

■ 69.2937, 0.3343,
0.3402

■ 21.8806, 0.1941,
0.2161

■ 76.5357, 0.3485,
0.3468

■ 20.9364, 0.1917,
0.2102

■ 80.7347, 0.3488,
0.3537

■ 84.6848, 0.3474,
0.3606

■ 88.7952, 0.3461,
0.3674

Harmonies

Analogous

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



40.9779, 0.2609, 0.3159



40.9779, 0.2584, 0.2936



40.9779, 0.2695, 0.2819

Triad

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



40.9779, 0.2584, 0.2936



40.9779, 0.3492, 0.3139



40.9779, 0.3316, 0.3806

Complementary

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



40.9779, 0.2584, 0.2936



38.1365, 0.3853, 0.3616

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.



40.9779, 0.3566, 0.3773



40.9779, 0.2584, 0.2936



40.9779, 0.3674, 0.3380

Square

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



40.9779, 0.2584, 0.2936



40.9779, 0.3213, 0.2940



40.9779, 0.3700, 0.3612



40.9779, 0.3023, 0.3682

Rectangle

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



40.9779, 0.2584, 0.2936



40.9779, 0.2835, 0.2809



40.9779, 0.3700, 0.3612



40.9779, 0.3408, 0.3812

Sweetspot

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



40.9795, 0.2584, 0.2936



88.9976, 0.2956, 0.3191



49.9212, 0.2925, 0.3984



18.7747, 0.2935, 0.3178



0.0000, 0.0000, 0.0000



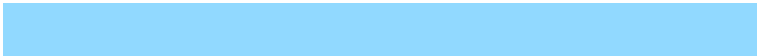
21.4041, 0.3127, 0.3290

Same Dimension

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



40.9795, 0.2584, 0.2936



62.8344, 0.2466, 0.2840



28.7923, 0.2513, 0.2414



12.0449, 0.2983, 0.3208



13.4952, 0.1922, 0.2120



0.8348, 0.1993, 0.2375

Inverse Universe

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



32.1536, 0.3424, 0.2699



46.6213, 0.3518, 0.2565



51.6149, 0.3703, 0.4034



11.3349, 0.3190, 0.3140



9.1653, 0.4319, 0.2153



0.4868, 0.4048, 0.2004

Previews

White Background



This preview shows how the Yxy color 40.9779, 0.2584, 0.2936 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 40.9779, 0.2584, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

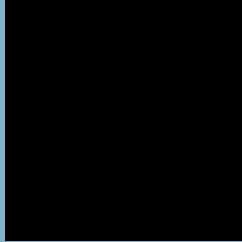
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9779, 0.2584, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 40.9779, 0.2584, 0.2936.



This preview shows how white text looks on a background with the Yxy color 40.9779, 0.2584, 0.2936.

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

40.9779, 0.2584, 0.2936

Protanopia

40.8877, 0.2877, 0.2928

Deuteranopia

40.7031, 0.2856, 0.2793



Tritanopia

41.2047, 0.2631, 0.3087

Trichromacy



Original Color

40.9779, 0.2584, 0.2936

Protanomaly

40.7830, 0.2761, 0.2933

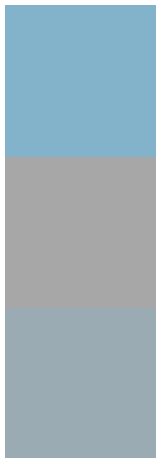
Deuteranomaly

40.5534, 0.2747, 0.2844

Tritanomaly

41.0172, 0.2617, 0.3032

Monochromacy



Original Color

40.9779, 0.2584, 0.2936

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2911, 0.2907, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9779, 0.2584, 0.2936 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(131, 178, 203)` looks like.

```
.text, #text, p{  
    color:rgb(131, 178, 203)  
}
```

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(131, 178, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 178, 203) }
```

Border

The CSS property to change the border of an element to Yxy 40.9779, 0.2584, 0.2936 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(131, 178, 203) }
```

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

```
.border{ border-color:rgb(131, 178, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 178, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 178, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 178, 203); box-shadow:4px 4px 4px 4px rgb(131, 178, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9779, 0.2584, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 178, 203) }
```

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

```
.background{ background-color: rgb(131,  
178, 203) }
```

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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