

Converting Colors

$Y_{xy}(40.9424, 0.2559, 0.2940)$

Have a look what the booklet for
Yxy(40.9424, 0.2559, 0.2940)
contains.

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Color

Yxy(41.0640, 0.2560, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	7FB3CB
RGB	127, 179, 203
RGB Percent	50%, 70%, 80%
CMY	0.5021, 0.2980, 0.2040
CMYK	0.37, 0.12, 0.00, 0.20
HSL	199°, 42%, 65%
HSV	199°, 37%, 80%
XYZ	35.6473, 41.0640, 62.5359
YIQ	166.1880, -38.6960, -3.5600

Conversions

Conversions Part 2

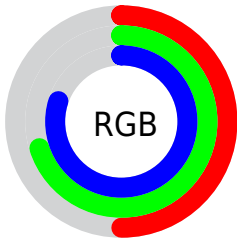
Format	Color
RYB	127, 158, 203
Decimal	8369099
CIELab	70.22, -11.06, -17.59
CIELCh	70, 20.780, 237.833
Yxy	41.0640, 0.2560, 0.2949
Android (android.graphics.Color)	4286559179 (0xFF7FB3CB)
YUV	166.1880, 18.1483, -34.3679
Hunter-Lab	64.0812, -12.8456, -13.0034

Details

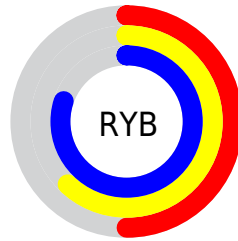
The Yxy color **41.0640, 0.2560, 0.2949** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3427, 0.3918, 0.3603**, and the grayscale version is **38.1515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5817, 0.2688, 0.3070**, and **18.5475, 0.2401, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **37.1540, 0.2421, 0.2840**, and if you desaturate by 10%, it is **45.4103, 0.2707, 0.3051**.

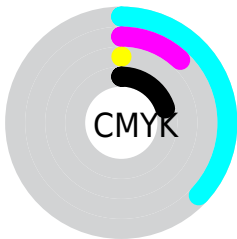
Distribution



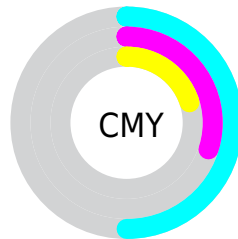
- Red (50%)
- Green (70%)
- Blue (80%)



- Red (50%)
- Yellow (62%)
- Blue (80%)



- Cyan (37%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)





- Cyan (50%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0640, 0.2560, 0.2949 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 41.0640, 0.2560, 0.2949 by changing the saturation by 10% instead.


 41.0640, 0.2560,
0.2949

 41.0640, 0.2560,
0.2949


350.5880, 0.2844,
0.3126


 28.3691, 0.2490,
0.2903


 76.7810, 0.2663,
0.3015

 18.6041, 0.2400,
0.2843


 100.5720, 0.2701,
0.3039

 11.3845, 0.2281,
0.2761


 128.8303, 0.2734,
0.3060

 6.3261, 0.2118,
0.2644

161.9406, 0.2762,
0.3077

 3.0444, 0.1880,
0.2466

200.2871, 0.2787,
0.3092

 1.1549, 0.1511,
0.2166

244.2542, 0.2808,

 0.0244, 0.0000,

0.3105

0.0186

294.2264, 0.2827,
0.3116

0.0000, 0.0000,
0.0000

41.0640, 0.2560,
0.2949

41.0640, 0.2560,
0.2949

37.1540, 0.2421,
0.2840

45.4103, 0.2707,
0.3051

33.6550, 0.2294,
0.2726

50.2070, 0.2859,
0.3145

30.5458, 0.2182,
0.2607

55.4734, 0.3013,
0.3231

27.8011, 0.2089,
0.2487

61.2260, 0.3166,
0.3309

25.3913, 0.2016,
0.2367

67.4806, 0.3316,
0.3379

■ 23.2758, 0.1962,
0.2249

■ 74.2519, 0.3460,
0.3440

■ 22.7652, 0.1950,
0.2219

■ 78.7884, 0.3495,
0.3502

■ 82.2913, 0.3482,
0.3565

■ 85.9250, 0.3470,
0.3628

Harmonies

Analogous

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



41.0640, 0.2606, 0.3192



41.0640, 0.2560, 0.2949



41.0640, 0.2656, 0.2812

Triad

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



41.0640, 0.2560, 0.2949



41.0640, 0.3469, 0.3101



41.0640, 0.3363, 0.3830

Complementary

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



41.0640, 0.2560, 0.2949



36.3427, 0.3918, 0.3603

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.



41.0640, 0.3610, 0.3774



41.0640, 0.2560, 0.2949



41.0640, 0.3677, 0.3347

Square

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



41.0640, 0.2560, 0.2949



41.0640, 0.3172, 0.2905



41.0640, 0.3728, 0.3592



41.0640, 0.3060, 0.3724

Rectangle

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



41.0640, 0.2560, 0.2949



41.0640, 0.2791, 0.2790



41.0640, 0.3728, 0.3592



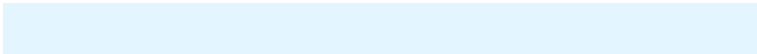
41.0640, 0.3455, 0.3829

Sweetspot

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



41.0656, 0.2560, 0.2949



89.5474, 0.2956, 0.3200



49.4090, 0.2931, 0.4069



18.9060, 0.2935, 0.3189



0.0000, 0.0000, 0.0000



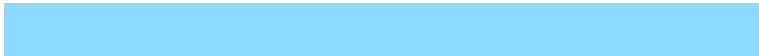
21.4041, 0.3127, 0.3290

Same Dimension

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



41.0656, 0.2560, 0.2949



63.3799, 0.2446, 0.2861



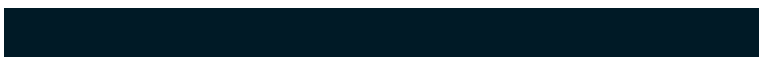
28.2202, 0.2480, 0.2395



12.1069, 0.2983, 0.3215



14.6599, 0.1954, 0.2235



0.8886, 0.2018, 0.2466

Inverse Universe

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



31.1219, 0.3419, 0.2637



45.1937, 0.3506, 0.2499



50.0991, 0.3748, 0.4047



11.3412, 0.3185, 0.3133



9.2829, 0.4195, 0.2084



0.4923, 0.3957, 0.1953

Previews

White Background



This preview shows how the Yxy color 41.0640, 0.2560, 0.2949 looks on a white background.

Color Contrast Check

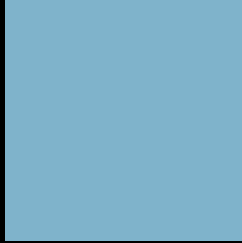
Large Text (above 18pt) WCAG AA × Fail

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 41.0640, 0.2560, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

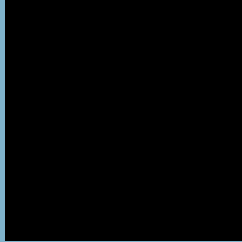
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0640, 0.2560, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 41.0640, 0.2560, 0.2949.



This preview shows how white text looks on a background with the Yxy color 41.0640, 0.2560, 0.2949.

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

41.0640, 0.2560, 0.2949

Protanopia

40.8877, 0.2877, 0.2928

Deuteranopia

40.7031, 0.2856, 0.2793



Tritanopia

40.9426, 0.2598, 0.3072

Trichromacy



Original Color

41.0640, 0.2560, 0.2949

Protanomaly

40.6861, 0.2753, 0.2932

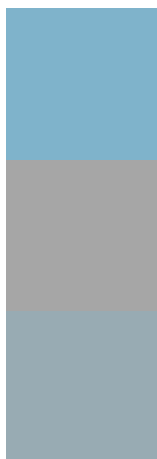
Deuteranomaly

40.4540, 0.2739, 0.2843

Tritanomaly

41.1554, 0.2586, 0.3031

Monochromacy



Original Color

41.0640, 0.2560, 0.2949

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0559, 0.2898, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0640, 0.2560, 0.2949 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(127, 179, 203)` looks like.

```
.text, #text, p{  
    color:rgb(127, 179, 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(127, 179, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 179, 203) }
```

Border

The CSS property to change the border of an element to Yxy 41.0640, 0.2560, 0.2949 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(127, 179, 203) }
```

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

```
.border{ border-color:rgb(127, 179, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 179, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 179, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 179, 203);  
box-shadow:4px 4px 4px 4px rgb(127, 179,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0640, 0.2560, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 179, 203) }
```

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

```
.background{ background-color: rgb(127,  
179, 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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