

Converting Colors

$Y_{xy}(40.6251, 0.2586, 0.3183)$

Have a look what the booklet for
Yxy(40.6251, 0.2586, 0.3183)
contains.

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Color

Yxy(40.4349, 0.2580, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	74B5BD
RGB	116, 181, 189
RGB Percent	45%, 71%, 74%
CMY	0.5452, 0.2902, 0.2588
CMYK	0.39, 0.04, 0.00, 0.26
HSL	187°, 36%, 60%
HSV	187°, 39%, 74%
XYZ	32.9092, 40.4349, 54.2108
YIQ	162.4770, -41.3080, -11.2920

Conversions

Conversions Part 2

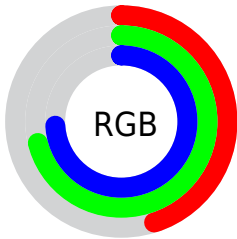
Format	Color
RYB	116, 150, 189
Decimal	7648701
CIELab	69.78, -18.63, -10.62
CIELCh	70, 21.449, 209.684
Yxy	40.4349, 0.2580, 0.3170
Android (android.graphics.Color)	4285838781 (0xFF74B5BD)
YUV	162.4770, 13.0758, -40.7603
Hunter-Lab	63.5884, -18.9000, -6.0344

Details

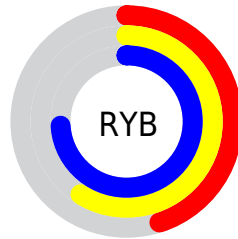
The Yxy color **40.4349, 0.2580, 0.3170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **26.4868, 0.4028, 0.3404**, and the grayscale version is **36.3176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8189, 0.2681, 0.3198**, and **18.2400, 0.2421, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **38.4359, 0.2465, 0.3134**, and if you desaturate by 10%, it is **42.7130, 0.2709, 0.3204**.

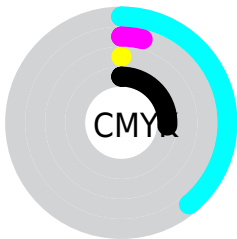
Distribution



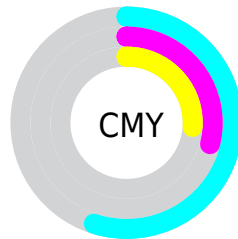
- Red (45%)
- Green (71%)
- Blue (74%)



- Red (45%)
- Yellow (59%)
- Blue (74%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)





- Cyan (55%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4349, 0.2580, 0.3170 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 40.4349, 0.2580, 0.3170 by changing the saturation by 10% instead.


 40.4349, 0.2580,
0.3170


 40.4349, 0.2580,
0.3170


347.9532, 0.2855,
0.3237


 27.8778, 0.2511,
0.3151


 75.8253, 0.2680,
0.3196

 18.2336, 0.2423,
0.3126


 99.4274, 0.2718,
0.3205

 11.1178, 0.2305,
0.3089


 127.4799, 0.2749,
0.3213

 6.1461, 0.2141,
0.3034

160.3673, 0.2777,
0.3219

 2.9341, 0.1900,
0.2942

198.4740, 0.2800,
0.3225

 1.0974, 0.1455,
0.2782

242.1842, 0.2821,

 0.0000, 0.0000,

0.3229

0.0000

291.8825, 0.2839,
0.3233

■ 40.4349, 0.2580,
0.3170

■ 40.4349, 0.2580,
0.3170

■ 38.4359, 0.2465,
0.3134

■ 42.7130, 0.2709,
0.3204

■ 36.6951, 0.2367,
0.3097

■ 45.2802, 0.2848,
0.3236

■ 35.1962, 0.2286,
0.3059

■ 48.1519, 0.2996,
0.3266

■ 33.9190, 0.2224,
0.3021

■ 51.3407, 0.3148,
0.3294

■ 32.8396, 0.2181,
0.2984

■ 54.8588, 0.3303,
0.3318

■ 31.9184, 0.2154,
0.2947

■ 58.7175, 0.3458,
0.3341

■ 31.7968, 0.2151,
0.2942

■ 62.9277, 0.3611,
0.3360

■ 65.1161, 0.3661,
0.3380

■ 66.0650, 0.3655,
0.3402

Harmonies

Analogous

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



40.4349, 0.2758, 0.3471



40.4349, 0.2580, 0.3170



40.4349, 0.2542, 0.2924

Triad

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



40.4349, 0.2580, 0.3170



40.4349, 0.3193, 0.2902



40.4349, 0.3615, 0.3800

Complementary

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



40.4349, 0.2580, 0.3170



26.4868, 0.4028, 0.3404

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.



40.4349, 0.3748, 0.3616



40.4349, 0.2580, 0.3170



40.4349, 0.3499, 0.3108

Square

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



40.4349, 0.2580, 0.3170



40.4349, 0.2883, 0.2786



40.4349, 0.3706, 0.3364



40.4349, 0.3352, 0.3849

Rectangle

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



40.4349, 0.2580, 0.3170



40.4349, 0.2598, 0.2820



40.4349, 0.3706, 0.3364



40.4349, 0.3677, 0.3750

Sweetspot

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



40.4365, 0.2580, 0.3170



84.3499, 0.2942, 0.3256



41.5421, 0.3024, 0.4334



17.9940, 0.2923, 0.3252



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.4365, 0.2580, 0.3170



69.4854, 0.2486, 0.3141



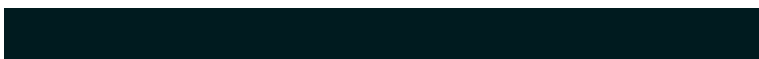
27.6941, 0.2496, 0.2605



10.6264, 0.2985, 0.3264



21.4638, 0.2152, 0.2946



0.8923, 0.2177, 0.3036

Inverse Universe

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



26.6416, 0.3257, 0.2440



41.7847, 0.3290, 0.2273



37.1477, 0.3837, 0.3887



9.6778, 0.3154, 0.3088



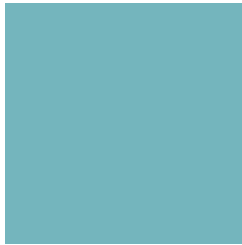
9.1965, 0.3502, 0.1703



0.3654, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 40.4349, 0.2580, 0.3170 looks on a white background.

Color Contrast Check

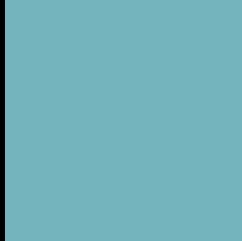
Large Text (above 18pt) WCAG AA × Fail

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 40.4349, 0.2580, 0.3170 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

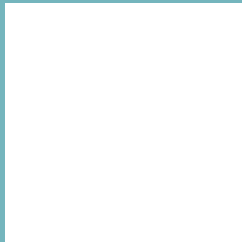
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4349, 0.2580, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 40.4349, 0.2580, 0.3170.

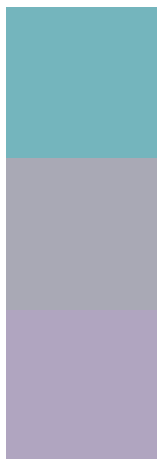


This preview shows how white text looks on a background with the Yxy color 40.4349, 0.2580, 0.3170.

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

40.4349, 0.2580, 0.3170

Protanopia

40.1471, 0.3028, 0.3125

Deuteranopia

39.9461, 0.3000, 0.2932



Tritanopia

40.3646, 0.2548, 0.3069

Trichromacy



Original Color

40.4349, 0.2580, 0.3170

Protanomaly

39.8319, 0.2845, 0.3133

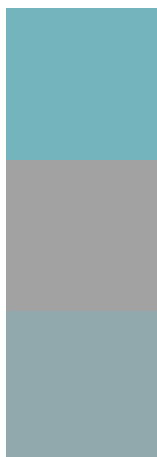
Deuteranomaly

39.7574, 0.2824, 0.3011

Tritanomaly

40.2747, 0.2560, 0.3097

Monochromacy



Original Color

40.4349, 0.2580, 0.3170

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3742, 0.2892, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4349, 0.2580, 0.3170 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(116, 181, 189)` looks like.

```
.text, #text, p{  
    color:rgb(116, 181, 189)  
}
```

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(116, 181, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 181, 189) }
```

Border

The CSS property to change the border of an element to Yxy 40.4349, 0.2580, 0.3170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

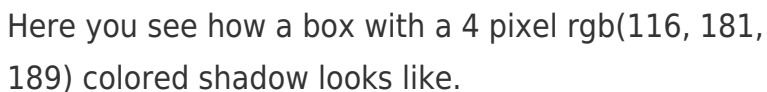
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 181, 189) }
```

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

```
.border{ border-color:rgb(116, 181, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 181, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 181, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 181, 189); box-shadow:4px 4px 4px 4px rgb(116, 181, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4349, 0.2580, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 181, 189) }
```

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

```
.background{ background-color: rgb(116,  
181, 189) }
```

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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