

Converting Colors

$Y_{xy}(40.7320, 0.2793, 0.3376)$

Have a look what the booklet for
Yxy(40.7320, 0.2793, 0.3376)
contains.

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Color

Yxy(40.6851, 0.2793, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	85B4AE
RGB	133, 180, 174
RGB Percent	52%, 71%, 68%
CMY	0.4782, 0.2941, 0.3177
CMYK	0.26, 0.00, 0.03, 0.29
HSL	172°, 24%, 61%
HSV	172°, 26%, 71%
XYZ	33.6393, 40.6851, 46.1170
YIQ	165.2630, -26.0860, -11.8300

Conversions

Conversions Part 2

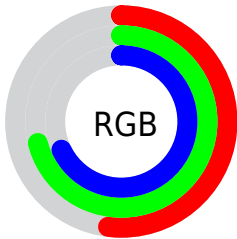
Format	Color
RYB	133, 158, 180
Decimal	8762542
CIELab	69.95, -16.82, -2.00
CIElCh	70, 16.937, 186.782
Yxy	40.6851, 0.2793, 0.3378
Android (android.graphics.Color)	4286952622 (0xFF85B4AE)
YUV	165.2630, 4.3073, -28.2947
Hunter-Lab	63.7849, -17.4850, 1.7822

Details

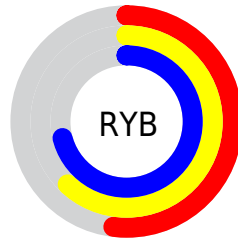
The Yxy color **40.6851, 0.2793, 0.3378** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.3588, 0.3603, 0.3205**, and the grayscale version is **37.7534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2128, 0.2856, 0.3368**, and **18.3777, 0.2693, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **39.2552, 0.2682, 0.3417**, and if you desaturate by 10%, it is **42.3709, 0.2915, 0.3342**.

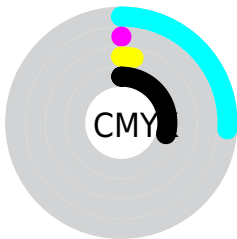
Distribution



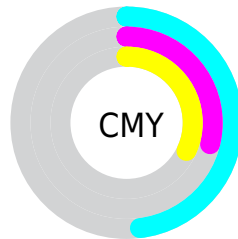
- Red (52%)
- Green (71%)
- Blue (68%)



- Red (52%)
- Yellow (62%)
- Blue (71%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)





- Cyan (48%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6851, 0.2793, 0.3378 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 40.6851, 0.2793, 0.3378 by changing the saturation by 10% instead.


 40.6851, 0.2793,
0.3378


 40.6851, 0.2793,
0.3378


349.0028, 0.2963,
0.3334


 28.0731, 0.2750,
0.3389


 76.2056, 0.2855,
0.3362

 18.3808, 0.2693,
0.3403

 99.8830, 0.2879,
0.3356

 11.2237, 0.2618,
0.3421


 128.0175, 0.2898,
0.3351

 6.2175, 0.2510,
0.3446

160.9937, 0.2915,
0.3347

 2.9778, 0.2345,
0.3483

199.1960, 0.2929,
0.3343

 1.1201, 0.2023,
0.3559

243.0086, 0.2942,

 0.0000, 0.0000,

0.3340

0.0000

292.8161, 0.2953,
0.3337

■ 40.6851, 0.2793,
0.3378

■ 40.6851, 0.2793,
0.3378

■ 39.2552, 0.2682,
0.3417

■ 42.3709, 0.2915,
0.3342

■ 38.0636, 0.2585,
0.3458

■ 44.3195, 0.3045,
0.3309

■ 37.0978, 0.2503,
0.3500

■ 46.5438, 0.3181,
0.3279

■ 36.3425, 0.2440,
0.3544

■ 49.0542, 0.3319,
0.3251

■ 35.7804, 0.2395,
0.3588

■ 51.8607, 0.3459,
0.3227

■ 35.3915, 0.2369,
0.3633

■ 54.9728, 0.3597,
0.3206

■ 35.1496, 0.2361,
0.3677

■ 57.6228, 0.3697,
0.3186

■ 35.0731, 0.2360,
0.3694

■ 57.7245, 0.3677,
0.3162

■ 57.8277, 0.3656,
0.3138

Harmonies

Analogous

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



40.6851, 0.3002, 0.3592



40.6851, 0.2793, 0.3378



40.6851, 0.2674, 0.3147

Triad

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



40.6851, 0.2793, 0.3378



40.6851, 0.2990, 0.2901



40.6851, 0.3603, 0.3593

Complementary

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



40.6851, 0.2793, 0.3378



28.3588, 0.3603, 0.3205

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.



40.6851, 0.3602, 0.3403



40.6851, 0.2793, 0.3378



40.6851, 0.3241, 0.3014

Square

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



40.6851, 0.2793, 0.3378



40.6851, 0.2784, 0.2883



40.6851, 0.3468, 0.3194



40.6851, 0.3472, 0.3712

Rectangle

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



40.6851, 0.2793, 0.3378



40.6851, 0.2659, 0.3019



40.6851, 0.3468, 0.3194



40.6851, 0.3618, 0.3535

Sweetspot

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



40.6868, 0.2793, 0.3378



79.5987, 0.3018, 0.3315



39.8512, 0.3146, 0.4011



17.0868, 0.2998, 0.3320



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.6868, 0.2793, 0.3378



72.3083, 0.2731, 0.3399



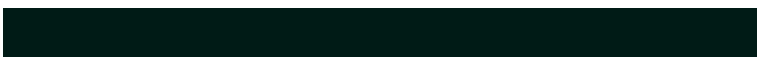
34.4037, 0.2728, 0.3029



9.6125, 0.3002, 0.3319



24.4875, 0.2358, 0.3689



0.7757, 0.2324, 0.3566

Inverse Universe

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



28.3588, 0.3603, 0.3205



46.3377, 0.3740, 0.3186



33.2954, 0.3612, 0.3537



8.5224, 0.3268, 0.3261



6.8213, 0.6213, 0.3196



0.2202, 0.5637, 0.2879

Previews

White Background



This preview shows how the Yxy color 40.6851, 0.2793, 0.3378 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 40.6851, 0.2793, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

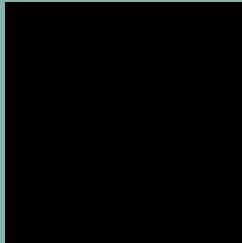
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6851, 0.2793, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 40.6851, 0.2793, 0.3378.

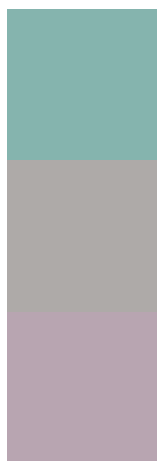


This preview shows how white text looks on a background with the Yxy color 40.6851, 0.2793, 0.3378.

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

40.6851, 0.2793, 0.3378

Protanopia

40.5753, 0.3181, 0.3318

Deuteranopia

40.2749, 0.3200, 0.3131



Tritanopia

40.5684, 0.2694, 0.3075

Trichromacy



Original Color

40.6851, 0.2793, 0.3378

Protanomaly

40.5453, 0.3028, 0.3346

Deuteranomaly

39.8834, 0.3033, 0.3206

Tritanomaly

40.5778, 0.2736, 0.3187

Monochromacy



Original Color

40.6851, 0.2793, 0.3378

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.3489, 0.2993, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6851, 0.2793, 0.3378 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(133, 180, 174)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 174)  
}
```

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(133, 180, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.6851, 0.2793, 0.3378 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(133, 180, 174) }
```

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

```
.border{ border-color:rgb(133, 180, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 174);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6851, 0.2793, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 174) }
```

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

```
.background{ background-color: rgb(133,  
180, 174) }
```

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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