

Converting Colors

$Y_{xy}(40.8105, 0.2814, 0.3393)$

Have a look what the booklet for
Yxy(40.8105, 0.2814, 0.3393)
contains.

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Color

Yxy(40.8105, 0.2814, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	87B4AD
RGB	135, 180, 173
RGB Percent	53%, 71%, 68%
CMY	0.4709, 0.2940, 0.3216
CMYK	0.25, 0.00, 0.04, 0.29
HSL	171°, 23%, 62%
HSV	171°, 25%, 71%
XYZ	33.8464, 40.8105, 45.6216
YIQ	165.7470, -24.5730, -11.7170

Conversions

Conversions Part 2

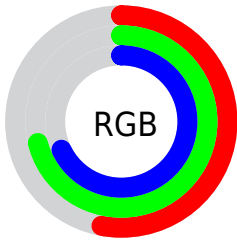
Format	Color
R_{YB}	135, 159, 180
Decimal	8893613
CIE _{Lab}	70.04, -16.47, -1.31
CIE _{LCh}	70, 16.526, 184.540
Yxy	40.8105, 0.2814, 0.3393
Android (android.graphics.Color)	4287083693 (0xFF87B4AD)
YUV	165.7470, 3.5757, -26.9651
Hunter-Lab	63.8831, -17.2230, 2.3767

Details

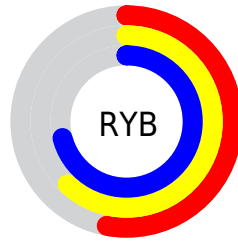
The Yxy color **40.8105, 0.2814, 0.3393** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9666, 0.3564, 0.3190**, and the grayscale version is **37.9902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4112, 0.2874, 0.3379**, and **18.4440, 0.2721, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **39.3364, 0.2705, 0.3440**, and if you desaturate by 10%, it is **42.5426, 0.2934, 0.3349**.

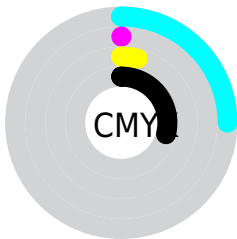
Distribution



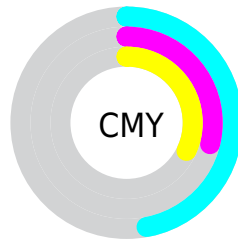
- Red (53%)
- Green (71%)
- Blue (68%)



- Red (53%)
- Yellow (62%)
- Blue (71%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)





- Cyan (47%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8105, 0.2814, 0.3393 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 40.8105, 0.2814, 0.3393 by changing the saturation by 10% instead.


 40.8105, 0.2814,
0.3393


 40.8105, 0.2814,
0.3393


349.5280, 0.2973,
0.3341


 28.1710, 0.2773,
0.3406


 76.3961, 0.2873,
0.3374

 18.4546, 0.2720,
0.3423


 100.1111, 0.2894,
0.3367

 11.2769, 0.2649,
0.3445


 128.2867, 0.2913,
0.3361

 6.2534, 0.2548,
0.3477

161.3074, 0.2928,
0.3356

 2.9998, 0.2393,
0.3523

199.5574, 0.2942,
0.3352

 1.1316, 0.2092,
0.3616

243.4213, 0.2954,

 0.0048, 0.0000,

0.3348

0.0469

293.2833, 0.2964,
0.3344

0.0000, 0.0000,
0.0000

40.8105, 0.2814,
0.3393

40.8105, 0.2814,
0.3393

39.3364, 0.2705,
0.3440

42.5426, 0.2934,
0.3349

38.1027, 0.2608,
0.3490

44.5396, 0.3061,
0.3309

37.0971, 0.2527,
0.3543

46.8142, 0.3193,
0.3272

36.3046, 0.2464,
0.3597

49.3768, 0.3327,
0.3240

35.7079, 0.2419,
0.3652

52.2374, 0.3462,
0.3210

■ 35.2873, 0.2394,
0.3707

■ 55.4053, 0.3595,
0.3185

■ 35.0188, 0.2386,
0.3761

■ 57.7444, 0.3675,
0.3160

■ 34.9154, 0.2386,
0.3788

■ 57.8706, 0.3650,
0.3131

■ 57.9992, 0.3625,
0.3102

Harmonies

Analogous

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



40.8105, 0.3023, 0.3597



40.8105, 0.2814, 0.3393



40.8105, 0.2690, 0.3167

Triad

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



40.8105, 0.2814, 0.3393



40.8105, 0.2977, 0.2906



40.8105, 0.3595, 0.3574

Complementary

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



40.8105, 0.2814, 0.3393



28.9666, 0.3564, 0.3190

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.



40.8105, 0.3585, 0.3385



40.8105, 0.2814, 0.3393



40.8105, 0.3220, 0.3010

Square

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



40.8105, 0.2814, 0.3393



40.8105, 0.2781, 0.2895



40.8105, 0.3445, 0.3182



40.8105, 0.3476, 0.3696

Rectangle

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



40.8105, 0.2814, 0.3393



40.8105, 0.2669, 0.3038



40.8105, 0.3445, 0.3182



40.8105, 0.3607, 0.3515

Sweetspot

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



40.8122, 0.2814, 0.3393



79.5689, 0.3021, 0.3321



40.1880, 0.3158, 0.3976



17.0792, 0.3002, 0.3327



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.



40.8122, 0.2814, 0.3393



72.4653, 0.2753, 0.3418



35.3481, 0.2746, 0.3064



9.6083, 0.3006, 0.3326



24.3712, 0.2384, 0.3782



0.7729, 0.2342, 0.3629

Inverse Universe

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



28.9666, 0.3564, 0.3190



47.3267, 0.3695, 0.3168



33.2533, 0.3594, 0.3505



8.5262, 0.3263, 0.3255



6.8377, 0.6154, 0.3164



0.2218, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 40.8105, 0.2814, 0.3393 looks on a white background.

Color Contrast Check

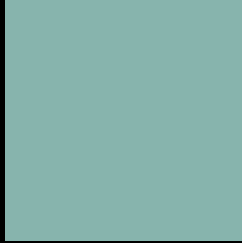
Large Text (above 18pt) WCAG AA × Fail

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 40.8105, 0.2814, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

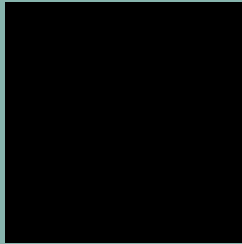
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

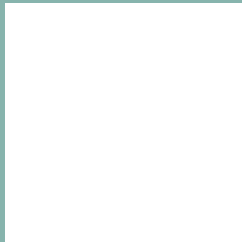
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8105, 0.2814, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 40.8105, 0.2814, 0.3393.

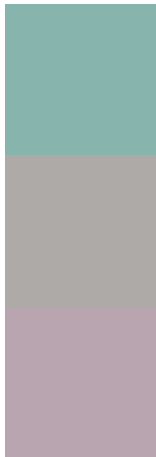


This preview shows how white text looks on a background with the Yxy color 40.8105, 0.2814, 0.3393.

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

40.8105, 0.2814, 0.3393

Protanopia

40.5381, 0.3189, 0.3331

Deuteranopia

40.3591, 0.3218, 0.3145



Tritanopia

40.6948, 0.2716, 0.3089

Trichromacy



Original Color

40.8105, 0.2814, 0.3393

Protanomaly

40.6103, 0.3045, 0.3361

Deuteranomaly

40.0601, 0.3059, 0.3220

Tritanomaly

40.7048, 0.2758, 0.3202

Monochromacy



Original Color

40.8105, 0.2814, 0.3393

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9590, 0.3002, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8105, 0.2814, 0.3393 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(135, 180, 173)` looks like.

```
.text, #text, p{  
    color:rgb(135, 180, 173)  
}
```

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(135, 180, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 180, 173) }
```

Border

The CSS property to change the border of an element to Yxy 40.8105, 0.2814, 0.3393 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(135, 180, 173) }
```

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

```
.border{ border-color:rgb(135, 180, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 180, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 180, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 180, 173);  
box-shadow:4px 4px 4px 4px rgb(135, 180,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8105, 0.2814, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 180, 173) }
```

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

```
.background{ background-color: rgb(135,  
180, 173) }
```

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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