

Converting Colors

$Y_{xy}(40.3873, 0.2813, 0.3353)$

Have a look what the booklet for
Yxy(40.3873, 0.2813, 0.3353)
contains.

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Color

Yxy(40.5304, 0.2814, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	88B3AE
RGB	136, 179, 174
RGB Percent	53%, 70%, 68%
CMY	0.4666, 0.2980, 0.3177
CMYK	0.24, 0.00, 0.03, 0.30
HSL	173°, 22%, 62%
HSV	173°, 24%, 70%
XYZ	33.9139, 40.5304, 46.0743
YIQ	165.5730, -24.0230, -10.6710

Conversions

Conversions Part 2

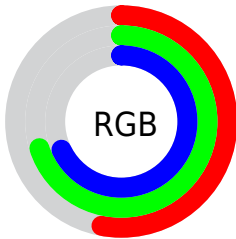
Format	Color
RYB	136, 159, 179
Decimal	8958894
CIELab	69.85, -15.39, -2.14
CIElCh	70, 15.536, 187.923
Yxy	40.5304, 0.2814, 0.3363
Android (android.graphics.Color)	4287148974 (0xFF88B3AE)
YUV	165.5730, 4.1545, -25.9355
Hunter-Lab	63.6635, -16.3231, 1.6554

Details

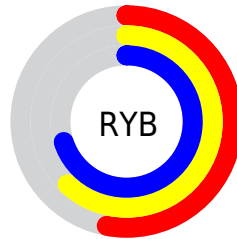
The Yxy color **40.5304, 0.2814, 0.3363** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.1200, 0.3560, 0.3219**, and the grayscale version is **37.9064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0210, 0.2874, 0.3357**, and **18.2581, 0.2719, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **39.0754, 0.2699, 0.3398**, and if you desaturate by 10%, it is **42.2403, 0.2939, 0.3331**.

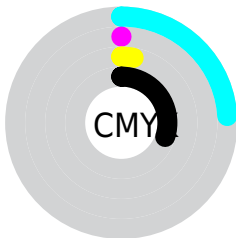
Distribution



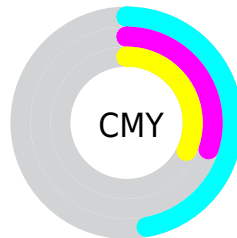
- Red (53%)
- Green (70%)
- Blue (68%)



- Red (53%)
- Yellow (62%)
- Blue (70%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (30%)




- Cyan (47%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5304, 0.2814, 0.3363 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 40.5304, 0.2814, 0.3363 by changing the saturation by 10% instead.


 40.5304, 0.2814,
0.3363


 40.5304, 0.2814,
0.3363


348.3541, 0.2973,
0.3327


 27.9523, 0.2773,
0.3372


 75.9705, 0.2873,
0.3350

 18.2897, 0.2720,
0.3383

 99.6013, 0.2894,
0.3345

 11.1582, 0.2649,
0.3398


 127.6852, 0.2913,
0.3341

 6.1733, 0.2548,
0.3419

160.6065, 0.2928,
0.3337

 2.9508, 0.2393,
0.3448

198.7497, 0.2942,
0.3334

 1.1061, 0.2094,
0.3508

242.4991, 0.2954,

 0.0000, 0.0000,

0.3331

0.0000

292.2391, 0.2964,
0.3329

■ 40.5304, 0.2814,
0.3363

■ 40.5304, 0.2814,
0.3363

■ 39.0754, 0.2699,
0.3398

■ 42.2403, 0.2939,
0.3331

■ 37.8579, 0.2598,
0.3434

■ 44.2117, 0.3072,
0.3301

■ 36.8660, 0.2512,
0.3473

■ 46.4570, 0.3210,
0.3274

■ 36.0850, 0.2444,
0.3512

■ 48.9866, 0.3351,
0.3250

■ 35.4982, 0.2395,
0.3552

■ 51.8100, 0.3492,
0.3229

■ 35.0864, 0.2364,
0.3592

■ 54.9367, 0.3631,
0.3210

■ 34.8267, 0.2351,
0.3632

■ 57.1578, 0.3713,
0.3191

■ 34.7142, 0.2349,
0.3656

■ 57.2489, 0.3694,
0.3170

■ 57.3412, 0.3676,
0.3148

Harmonies

Analogous

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



40.5304, 0.3004, 0.3560



40.5304, 0.2814, 0.3363



40.5304, 0.2708, 0.3152

Triad

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



40.5304, 0.2814, 0.3363



40.5304, 0.3010, 0.2934



40.5304, 0.3561, 0.3575

Complementary

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



40.5304, 0.2814, 0.3363



29.1200, 0.3560, 0.3219

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.



40.5304, 0.3566, 0.3402



40.5304, 0.2814, 0.3363



40.5304, 0.3241, 0.3041

Square

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



40.5304, 0.2814, 0.3363



40.5304, 0.2818, 0.2914



40.5304, 0.3447, 0.3209



40.5304, 0.3437, 0.3680

Rectangle

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



40.5304, 0.2814, 0.3363



40.5304, 0.2696, 0.3036



40.5304, 0.3447, 0.3209



40.5304, 0.3577, 0.3523

Sweetspot

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



40.5321, 0.2814, 0.3363



78.0328, 0.3030, 0.3310



39.6843, 0.3139, 0.3947



17.2412, 0.3022, 0.3312



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.



40.5321, 0.2814, 0.3363



71.1074, 0.2750, 0.3382



34.5155, 0.2759, 0.3042



9.6141, 0.3001, 0.3317



24.5363, 0.2348, 0.3651



0.7768, 0.2317, 0.3540

Inverse Universe

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



29.1200, 0.3560, 0.3219



46.9881, 0.3694, 0.3202



33.9786, 0.3564, 0.3526



8.5209, 0.3269, 0.3264



6.8155, 0.6235, 0.3208



0.2196, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 40.5304, 0.2814, 0.3363 looks on a white background.

Color Contrast Check

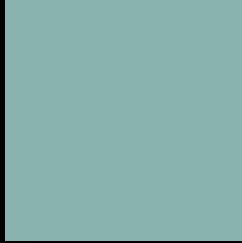
Large Text (above 18pt) WCAG AA × Fail

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 40.5304, 0.2814, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

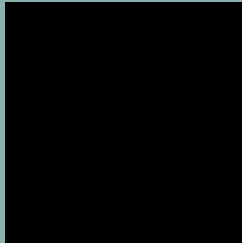
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

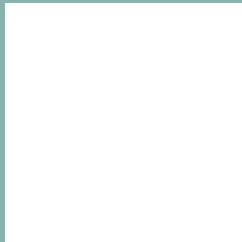
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5304, 0.2814, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 40.5304, 0.2814, 0.3363.

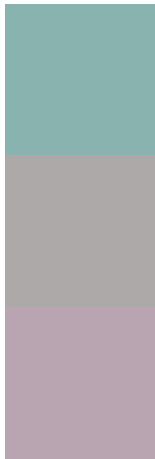


This preview shows how white text looks on a background with the Yxy color 40.5304, 0.2814, 0.3363.

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

40.5304, 0.2814, 0.3363

Protanopia

40.0873, 0.3172, 0.3304

Deuteranopia

40.2749, 0.3200, 0.3131



Tritanopia

40.3012, 0.2714, 0.3075

Trichromacy



Original Color

40.5304, 0.2814, 0.3363

Protanomaly

40.2630, 0.3037, 0.3332

Deuteranomaly

40.0995, 0.3051, 0.3207

Tritanomaly

40.3503, 0.2749, 0.3173

Monochromacy



Original Color

40.5304, 0.2814, 0.3363

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 40.5304, 0.2814, 0.3363 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(136, 179, 174)` looks like.

```
.text, #text, p{  
    color:rgb(136, 179, 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(136, 179, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 179, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.5304, 0.2814, 0.3363 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(136, 179, 174) }
```

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

```
.border{ border-color:rgb(136, 179, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 179, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 179, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 179, 174);  
box-shadow:4px 4px 4px 4px rgb(136, 179,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5304, 0.2814, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 179, 174) }
```

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

```
.background{ background-color: rgb(136,  
179, 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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