

Converting Colors

$Y_{xy}(40.0932, 0.2814, 0.3339)$

Have a look what the booklet for
Yxy(40.0932, 0.2814, 0.3339)
contains.

Yxy(40.2151, 0.2820, 0.3348)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.2151, 0.2820, 0.3348)

Conversions

Conversions Part 1

Format	Color
Hex	89B2AE
RGB	137, 178, 174
RGB Percent	54%, 70%, 68%
CMY	0.4629, 0.3019, 0.3176
CMYK	0.23, 0.00, 0.02, 0.30
HSL	174°, 21%, 62%
HSV	174°, 23%, 70%
XYZ	33.8729, 40.2151, 46.0288
YIQ	165.2850, -23.1520, -9.9360

Conversions

Conversions Part 2

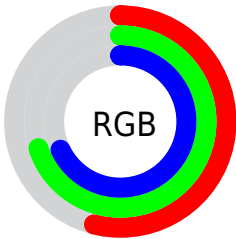
Format	Color
RYB	137, 159, 178
Decimal	9024174
CIELab	69.62, -14.57, -2.48
CIELCh	70, 14.778, 189.649
Yxy	40.2151, 0.2820, 0.3348
Android (android.graphics.Color)	4287214254 (0xFF89B2AE)
YUV	165.2850, 4.2965, -24.8059
Hunter-Lab	63.4154, -15.6322, 1.3563

Details

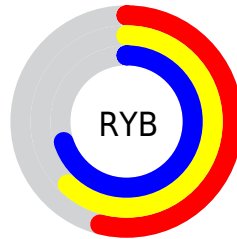
The Yxy color **40.2151, 0.2820, 0.3348** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.2681, 0.3547, 0.3234**, and the grayscale version is **37.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5791, 0.2879, 0.3345**, and **18.0508, 0.2726, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **38.7678, 0.2702, 0.3377**, and if you desaturate by 10%, it is **41.9147, 0.2948, 0.3321**.

Distribution



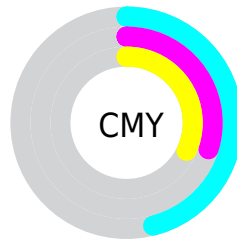
- Red (54%)
- Green (70%)
- Blue (68%)



- Red (54%)
- Yellow (62%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)





- Cyan (46%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2151, 0.2820, 0.3348 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 40.2151, 0.2820, 0.3348 by changing the saturation by 10% instead.

 40.2151, 0.2820,
0.3348

 40.2151, 0.2820,
0.3348


347.0294, 0.2976,
0.3320

 27.7063, 0.2780,
0.3355


 75.4909, 0.2878,
0.3338

 18.1044, 0.2728,
0.3364


 99.0268, 0.2899,
0.3334

 11.0250, 0.2658,
0.3375

 127.0071, 0.2917,
0.3331

 6.0836, 0.2558,
0.3390

159.8162, 0.2932,
0.3328

 2.8960, 0.2405,
0.3412

197.8386, 0.2946,
0.3325

 1.0777, 0.2108,
0.3458

241.4587, 0.2957,

 0.0000, 0.0000,

0.3323

0.0000

291.0608, 0.2967,
0.3321

■ 40.2151, 0.2820,
0.3348

■ 40.2151, 0.2820,
0.3348

■ 38.7678, 0.2702,
0.3377

■ 41.9147, 0.2948,
0.3321

■ 37.5557, 0.2598,
0.3407

■ 43.8731, 0.3084,
0.3297

■ 36.5673, 0.2509,
0.3438

■ 46.1025, 0.3225,
0.3275

■ 35.7881, 0.2438,
0.3471

■ 48.6129, 0.3369,
0.3255

■ 35.2019, 0.2385,
0.3504

■ 51.4139, 0.3513,
0.3237

■ 34.7901, 0.2352,
0.3537

■ 54.5145, 0.3655,
0.3222

■ 34.5305, 0.2336,
0.3570

■ 56.6564, 0.3738,
0.3207

■ 34.4073, 0.2331,
0.3593

■ 56.7306, 0.3722,
0.3188

■ 56.8057, 0.3707,
0.3170

Harmonies

Analogous

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



40.2151, 0.2998, 0.3538



40.2151, 0.2820, 0.3348



40.2151, 0.2724, 0.3148

Triad

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



40.2151, 0.2820, 0.3348



40.2151, 0.3028, 0.2954



40.2151, 0.3537, 0.3570

Complementary

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



40.2151, 0.2820, 0.3348



29.2681, 0.3547, 0.3234

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.



40.2151, 0.3548, 0.3408



40.2151, 0.2820, 0.3348



40.2151, 0.3248, 0.3060

Square

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



40.2151, 0.2820, 0.3348



40.2151, 0.2841, 0.2929



40.2151, 0.3441, 0.3223



40.2151, 0.3414, 0.3665

Rectangle

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



40.2151, 0.2820, 0.3348



40.2151, 0.2717, 0.3039



40.2151, 0.3441, 0.3223



40.2151, 0.3554, 0.3522

Sweetspot

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



40.2167, 0.2820, 0.3348



78.0504, 0.3028, 0.3307



39.3186, 0.3133, 0.3919



17.2455, 0.3020, 0.3308



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.



40.2167, 0.2820, 0.3348



71.4411, 0.2755, 0.3363



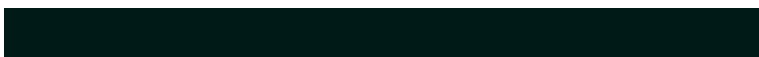
34.2265, 0.2773, 0.3042



9.6170, 0.2998, 0.3312



24.6206, 0.2330, 0.3589



0.7788, 0.2305, 0.3497

Inverse Universe

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



29.2681, 0.3547, 0.3234



47.8621, 0.3680, 0.3219



34.1785, 0.3541, 0.3525



8.5183, 0.3272, 0.3268



6.8065, 0.6268, 0.3227



0.2185, 0.5798, 0.2967

Previews

White Background



This preview shows how the Yxy color 40.2151, 0.2820, 0.3348 looks on a white background.

Color Contrast Check

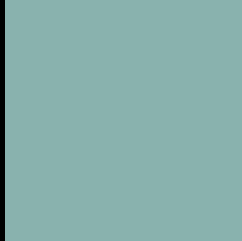
Large Text (above 18pt) WCAG AA × Fail

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 40.2151, 0.2820, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

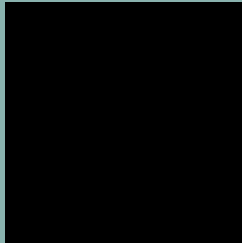
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2151, 0.2820, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 40.2151, 0.2820, 0.3348.

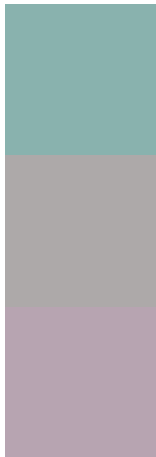


This preview shows how white text looks on a background with the Yxy color 40.2151, 0.2820, 0.3348.

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

40.2151, 0.2820, 0.3348

Protanopia

40.1247, 0.3164, 0.3290

Deuteranopia

39.7925, 0.3191, 0.3117



Tritanopia

40.3438, 0.2728, 0.3089

Trichromacy



Original Color

40.2151, 0.2820, 0.3348

Protanomaly

39.9189, 0.3029, 0.3304

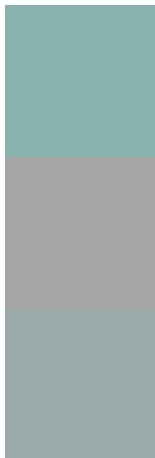
Deuteranomaly

39.6175, 0.3042, 0.3192

Tritanomaly

40.3939, 0.2764, 0.3188

Monochromacy



Original Color

40.2151, 0.2820, 0.3348

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5452, 0.3010, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2151, 0.2820, 0.3348 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(137, 178, 174)` looks like.

```
.text, #text, p{  
    color:rgb(137, 178, 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(137, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 178, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.2151, 0.2820, 0.3348 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(137, 178, 174) }
```

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

```
.border{ border-color:rgb(137, 178, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 178, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(137, 178,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2151, 0.2820, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 178, 174) }
```

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

```
.background{ background-color: rgb(137,  
178, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor