

# Converting Colors

$Y_{xy}(44.1685, 0.2842, 0.3520)$

Have a look what the booklet for  
Yxy(44.1685, 0.2842, 0.3520)  
contains.

<b>Yxy(44.2634, 0.2844, 0.3521)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.2634, 0.2844, 0.3521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89BCAC
RGB	137, 188, 172
RGB Percent	54%, 74%, 67%
CMY	0.4626, 0.2628, 0.3254
CMYK	0.27, 0.00, 0.08, 0.26
HSL	161°, 28%, 64%
HSV	161°, 27%, 74%
XYZ	35.7527, 44.2634, 45.6965
YIQ	170.9270, -25.2600, -15.7880

# Conversions

## Conversions Part 2

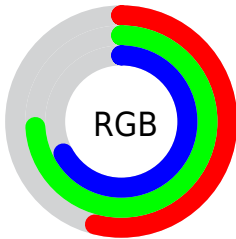
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 167, 188
Decimal	9026732
CIELab	72.40, -20.12, 2.68
CIELCh	72, 20.297, 172.410
Yxy	44.2634, 0.2844, 0.3521
Android (android.graphics.Color)	4287216812 (0xFF89BCAC)
YUV	170.9270, 0.5290, -29.7540
Hunter-Lab	66.5307, -20.5055, 5.8483

# Details

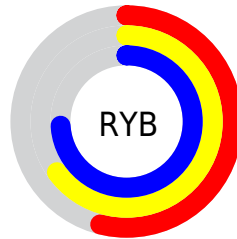
The Yxy color **44.2634, 0.2844, 0.3521** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.8956, 0.3524, 0.3072**, and the grayscale version is **40.6986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3238, 0.2895, 0.3478**, and **20.6153, 0.2756, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **42.5902, 0.2753, 0.3621**, and if you desaturate by 10%, it is **46.2271, 0.2944, 0.3429**.

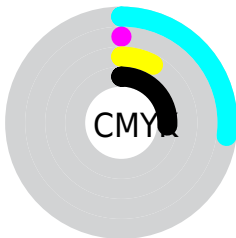
# Distribution



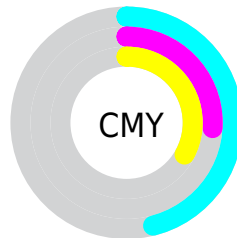
- Red (54%)
- Green (74%)
- Blue (67%)



- Red (54%)
- Yellow (65%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (26%)



- Cyan (46%)
- Magenta (26%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2634, 0.2844, 0.3521 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 44.2634, 0.2844, 0.3521 by changing the saturation by 10% instead.



■ 44.2634, 0.2844,  
0.3521

■ 44.2634, 0.2844,  
0.3521

363.7821, 0.2987,  
0.3403

■ 30.8776, 0.2808,  
0.3551

■ 81.6139, 0.2897,  
0.3478

■ 20.5057, 0.2761,  
0.3591

■ 106.3475, 0.2916,  
0.3461

■ 12.7632, 0.2697,  
0.3644

■ 135.6325, 0.2933,  
0.3448

■ 7.2657, 0.2608,  
0.3720

169.8533, 0.2947,  
0.3436

■ 3.6288, 0.2472,  
0.3837

209.3942, 0.2959,  
0.3426

■ 1.4682, 0.2241,  
0.4042

254.6397, 0.2970,

■ 0.2662, 0.0000,

0.3418

0.7222

305.9742, 0.2979,  
0.3410

0.0000, 0.0000,  
0.0000

44.2634, 0.2844,  
0.3521

44.2634, 0.2844,  
0.3521

42.5902, 0.2753,  
0.3621

46.2271, 0.2944,  
0.3429

41.1876, 0.2674,  
0.3728

48.4893, 0.3050,  
0.3345

40.0417, 0.2609,  
0.3841

51.0644, 0.3159,  
0.3269

39.1349, 0.2562,  
0.3957

53.9643, 0.3270,  
0.3201

38.4476, 0.2534,  
0.4076

57.2002, 0.3380,  
0.3141

■ 37.9570, 0.2526,  
0.4196

■ 60.7827, 0.3488,  
0.3088

■ 37.6308, 0.2537,  
0.4313

■ 62.0424, 0.3482,  
0.3031

■ 37.5498, 0.2541,  
0.4348

■ 62.3478, 0.3434,  
0.2972

■ 62.6642, 0.3387,  
0.2914

# Harmonies

## Analogous

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



44.2634, 0.3117, 0.3732



44.2634, 0.2844, 0.3521



44.2634, 0.2652, 0.3247

# Triad

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



44.2634, 0.2844, 0.3521



44.2634, 0.2842, 0.2815



44.2634, 0.3703, 0.3539

# Complementary

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



44.2634, 0.2844, 0.3521



30.8956, 0.3524, 0.3072

# 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.



44.2634, 0.3624, 0.3301



44.2634, 0.2844, 0.3521



44.2634, 0.3117, 0.2897

# Square

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



44.2634, 0.2844, 0.3521



44.2634, 0.2651, 0.2849



44.2634, 0.3406, 0.3071



44.2634, 0.3618, 0.3728



# Rectangle

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



44.2634, 0.2844, 0.3521



44.2634, 0.2591, 0.3075



44.2634, 0.3406, 0.3071



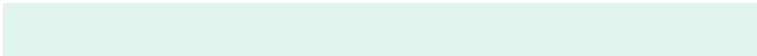
44.2634, 0.3695, 0.3462

# Sweetspot

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



44.2652, 0.2844, 0.3521



87.4380, 0.3039, 0.3353



44.5610, 0.3224, 0.4028



18.6642, 0.3022, 0.3365



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

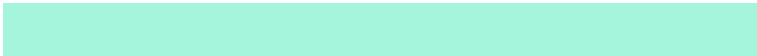


# Same Dimension

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



44.2652, 0.2844, 0.3521



78.2171, 0.2784, 0.3585



41.0542, 0.2724, 0.3155



10.7572, 0.3025, 0.3363



25.5816, 0.2537, 0.4333



1.0134, 0.2459, 0.4052



# Inverse Universe

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



30.8956, 0.3524, 0.3072



49.6225, 0.3654, 0.3017



33.1751, 0.3670, 0.3421



9.5843, 0.3240, 0.3218



7.5059, 0.5684, 0.2905



0.3062, 0.4987, 0.2521



# Previews

## White Background



This preview shows how the Yxy color 44.2634, 0.2844, 0.3521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

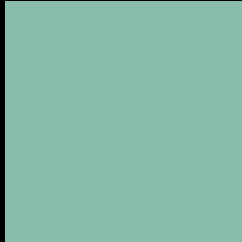
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2634, 0.2844, 0.3521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

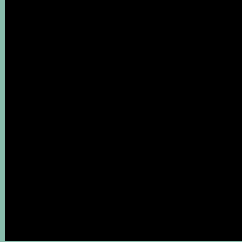
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2634, 0.2844, 0.3521**

## Background



This preview shows how black text looks on a background with the Yxy color 44.2634, 0.2844, 0.3521.

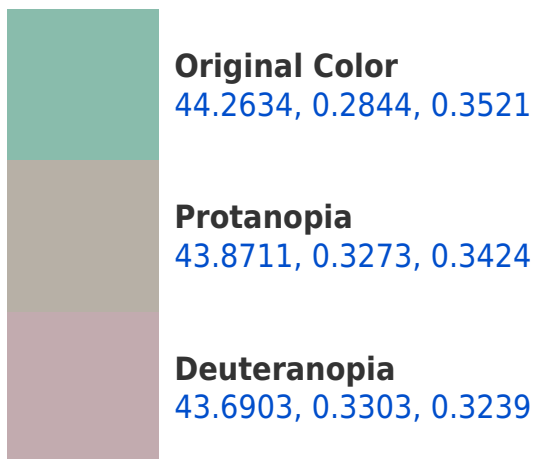


This preview shows how white text looks on a background with the Yxy color 44.2634, 0.2844, 0.3521.

# 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





## Tritanopia

44.2441, 0.2701, 0.3082

# Trichromacy



## Original Color

44.2634, 0.2844, 0.3521

## Protanomaly

43.5767, 0.3102, 0.3456

## Deuteranomaly

43.3845, 0.3117, 0.3331

## Tritanomaly

44.0348, 0.2754, 0.3233

# Monochromacy



## Original Color

44.2634, 0.2844, 0.3521

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.7555, 0.3020, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2634, 0.2844, 0.3521 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, 188, 172)` looks like.

```
.text, #text, p{  
    color:rgb(137, 188, 172)  
}
```

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, 188, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 188, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2634, 0.2844, 0.3521 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, 188, 172) }
```

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

```
.border{ border-color:rgb(137, 188, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 188, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 188, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 188, 172);  
box-shadow:4px 4px 4px 4px rgb(137, 188,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2634, 0.2844, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 188, 172) }
```

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

```
.background{ background-color: rgb(137,  
188, 172) }
```

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