

# Converting Colors

$Y_{xy}(44.2398, 0.2821, 0.3561)$

Have a look what the booklet for  
Yxy(44.2398, 0.2821, 0.3561)  
contains.

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# Color

**Yxy(44.2030, 0.2823, 0.3568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BDAA
RGB	132, 189, 170
RGB Percent	52%, 74%, 67%
CMY	0.4822, 0.2588, 0.3334
CMYK	0.30, 0.00, 0.10, 0.26
HSL	160°, 30%, 63%
HSV	160°, 30%, 74%
XYZ	34.9734, 44.2030, 44.7109
YIQ	169.7910, -27.8730, -17.9930

# Conversions

## Conversions Part 2

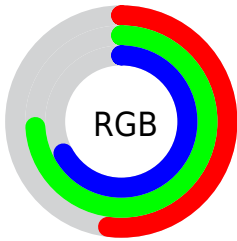
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 166, 189</a>
Decimal	<a href="#">8699306</a>
CIELab	<a href="#">72.36, -22.59, 3.70</a>
CIELCh	<a href="#">72, 22.888, 170.707</a>
Yxy	<a href="#">44.2030, 0.2823, 0.3568</a>
Android (android.graphics.Color)	<a href="#">4286889386 (0xFF84BDAA)</a>
YUV	<a href="#">169.7910, 0.1030, -33.1427</a>
Hunter-Lab	<a href="#">66.4853, -22.4527, 6.6676</a>

# Details

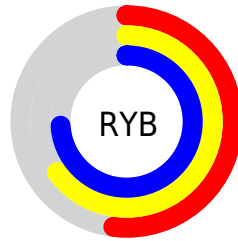
The Yxy color **44.2030, 0.2823, 0.3568** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.5708, 0.3570, 0.3030**, and the grayscale version is **40.1041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1802, 0.2878, 0.3513**, and **20.3414, 0.2729, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **42.5829, 0.2737, 0.3677**, and if you desaturate by 10%, it is **46.1143, 0.2918, 0.3467**.

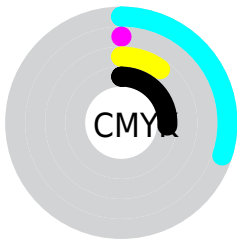
# Distribution



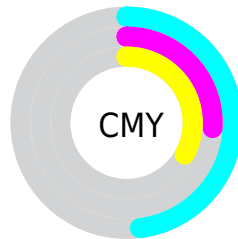
- Red (52%)
- Green (74%)
- Blue (67%)



- Red (52%)
- Yellow (65%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (26%)




- Cyan (48%)
- Magenta (26%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2030, 0.2823, 0.3568 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 44.2030, 0.2823, 0.3568 by changing the saturation by 10% instead.





 44.2030, 0.2823,  
0.3568

 44.2030, 0.2823,  
0.3568

363.5360, 0.2977,  
0.3426


 30.8301, 0.2784,  
0.3605


 81.5231, 0.2880,  
0.3515

 20.4695, 0.2733,  
0.3653


 106.2392, 0.2901,  
0.3496

 12.7368, 0.2665,  
0.3718


 135.5051, 0.2918,  
0.3480

 7.2476, 0.2568,  
0.3811

169.7052, 0.2934,  
0.3466

 3.6174, 0.2420,  
0.3956

209.2240, 0.2947,  
0.3454

 1.4619, 0.2161,  
0.4214

254.4458, 0.2958,

 0.2617, 0.0000,

0.3443

0.9079

305.7550, 0.2968,  
0.3434

0.0000, 0.0000,  
0.0000

44.2030, 0.2823,  
0.3568

44.2030, 0.2823,  
0.3568

42.5829, 0.2737,  
0.3677

46.1143, 0.2918,  
0.3467

41.2333, 0.2664,  
0.3794

48.3252, 0.3020,  
0.3375

40.1398, 0.2607,  
0.3916


50.8506, 0.3126,  
0.3291

39.2839, 0.2567,  
0.4042

53.7028, 0.3233,  
0.3216


38.6448, 0.2547,  
0.4170

56.8932, 0.3341,  
0.3150


 38.1979, 0.2546,  
0.4297

 60.4329, 0.3446,  
0.3091

 37.8973, 0.2561,  
0.4421

 62.5163, 0.3473,  
0.3033

 62.8453, 0.3422,  
0.2970

 63.1869, 0.3372,  
0.2908

# Harmonies

## Analogous

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



44.2030, 0.3132, 0.3801



44.2030, 0.2823, 0.3568



44.2030, 0.2602, 0.3257

# Triad

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



44.2030, 0.2823, 0.3568



44.2030, 0.2791, 0.2757



44.2030, 0.3777, 0.3553

# Complementary

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



44.2030, 0.2823, 0.3568



29.5708, 0.3570, 0.3030

# 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.



44.2030, 0.3679, 0.3285



44.2030, 0.2823, 0.3568



44.2030, 0.3095, 0.2841

# Square

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



44.2030, 0.2823, 0.3568



44.2030, 0.2585, 0.2800



44.2030, 0.3424, 0.3030



44.2030, 0.3690, 0.3772



# Rectangle

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



44.2030, 0.2823, 0.3568



44.2030, 0.2529, 0.3060



44.2030, 0.3424, 0.3030



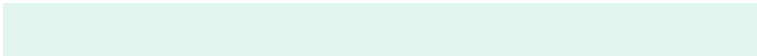
44.2030, 0.3765, 0.3466

# Sweetspot

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



44.2048, 0.2823, 0.3568



86.9755, 0.3030, 0.3366



44.7344, 0.3249, 0.4117



18.5704, 0.3015, 0.3379



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.



44.2048, 0.2823, 0.3568



77.2448, 0.2767, 0.3638



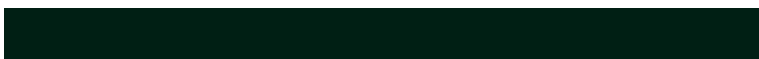
41.4097, 0.2685, 0.3166



10.7539, 0.3028, 0.3368



25.5144, 0.2557, 0.4405



1.0111, 0.2474, 0.4105



# Inverse Universe

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



29.5708, 0.3570, 0.3030



46.9287, 0.3703, 0.2973



31.4153, 0.3758, 0.3410



9.5875, 0.3237, 0.3214



7.5343, 0.5609, 0.2864



0.3075, 0.4923, 0.2486



# Previews

## White Background



This preview shows how the Yxy color 44.2030, 0.2823, 0.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

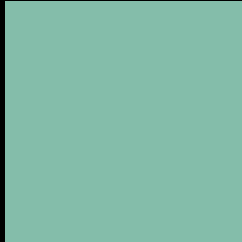
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2030, 0.2823, 0.3568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

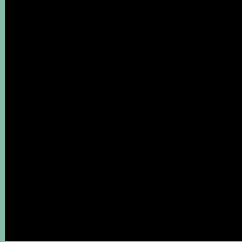
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2030, 0.2823, 0.3568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2030, 0.2823, 0.3568.



This preview shows how white text looks on a background with the Yxy color 44.2030, 0.2823, 0.3568.

# 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

44.2030, 0.2823, 0.3568

### Protanopia

43.7623, 0.3298, 0.3464

### Deuteranopia

43.7839, 0.3321, 0.3252



## Tritanopia

44.2713, 0.2662, 0.3081

# Trichromacy



## Original Color

44.2030, 0.2823, 0.3568

## Protanomaly

43.6934, 0.3100, 0.3499

## Deuteranomaly

43.6286, 0.3115, 0.3358

## Tritanomaly

44.0262, 0.2721, 0.3246

# Monochromacy



## Original Color

44.2030, 0.2823, 0.3568

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.4145, 0.3002, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2030, 0.2823, 0.3568 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(132, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(132, 189, 170)  
}
```

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(132, 189, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 189, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2030, 0.2823, 0.3568 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(132, 189, 170) }
```

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

```
.border{ border-color:rgb(132, 189, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 189, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 189, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 189, 170);  
box-shadow:4px 4px 4px 4px rgb(132, 189,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2030, 0.2823, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 189, 170) }
```

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

```
.background{ background-color: rgb(132,  
189, 170) }
```

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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