

# Converting Colors

$Y_{xy}(44.3718, 0.2720, 0.3319)$

Have a look what the booklet for  
Yxy(44.3718, 0.2720, 0.3319)  
contains.

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# Color

**Yxy(44.4171, 0.2716, 0.3317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84BCBA
RGB	132, 188, 186
RGB Percent	52%, 74%, 73%
CMY	0.4821, 0.2628, 0.2705
CMYK	0.30, 0.00, 0.01, 0.26
HSL	178°, 29%, 63%
HSV	178°, 30%, 74%
XYZ	36.3693, 44.4171, 53.1211
YIQ	171.0280, -32.7340, -12.4940

# Conversions

## Conversions Part 2

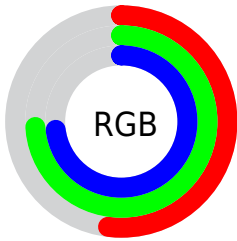
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 161, 188
Decimal	8699066
CIELab	72.51, -18.50, -4.85
CIElCh	73, 19.122, 194.690
Yxy	44.4171, 0.2716, 0.3317
Android (android.graphics.Color)	4286889146 (0xFF84BCBA)
YUV	171.0280, 7.3812, -34.2276
Hunter-Lab	66.6462, -19.2221, -0.6055

# Details

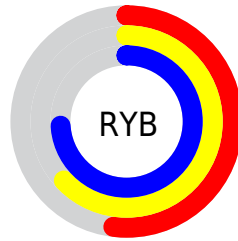
The Yxy color **44.4171, 0.2716, 0.3317** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9292, 0.3758, 0.3264**, and the grayscale version is **40.7205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6770, 0.2792, 0.3311**, and **20.7269, 0.2603, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **43.0085, 0.2601, 0.3327**, and if you desaturate by 10%, it is **46.1025, 0.2845, 0.3307**.

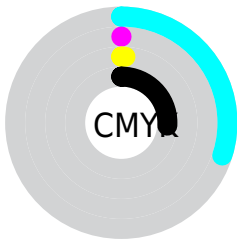
# Distribution



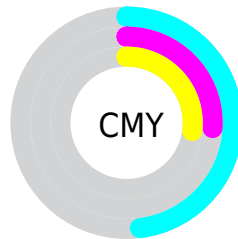
- Red (52%)
- Green (74%)
- Blue (73%)



- Red (52%)
- Yellow (63%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)




- Cyan (48%)
- Magenta (26%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4171, 0.2716, 0.3317 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 44.4171, 0.2716, 0.3317 by changing the saturation by 10% instead.




 44.4171, 0.2716,  
0.3317

 44.4171, 0.2716,  
0.3317

364.4076, 0.2921,  
0.3306


 30.9985, 0.2665,  
0.3319


 81.8450, 0.2790,  
0.3314

 20.5977, 0.2600,  
0.3321


 106.6232, 0.2818,  
0.3312

 12.8303, 0.2513,  
0.3322


 135.9566, 0.2842,  
0.3311

 7.3118, 0.2392,  
0.3323

170.2298, 0.2862,  
0.3310

 3.6578, 0.2214,  
0.3320

209.8271, 0.2880,  
0.3309

 1.4841, 0.1925,  
0.3304

255.1329, 0.2895,

 0.2775, 0.0000,

0.3308

306.5316, 0.2909,  
0.3307

0.3021

0.0000, 0.0000,  
0.0000

44.4171, 0.2716,  
0.3317

44.4171, 0.2716,  
0.3317

43.0085, 0.2601,  
0.3327

46.1025, 0.2845,  
0.3307

41.8567, 0.2502,  
0.3338

48.0730, 0.2984,  
0.3298

40.9475, 0.2421,  
0.3350

50.3430, 0.3131,  
0.3290

40.2630, 0.2358,  
0.3361

52.9243, 0.3283,  
0.3282

39.7829, 0.2314,  
0.3373

55.8284, 0.3437,  
0.3276

■ 39.4833, 0.2289,  
0.3384

■ 59.0658, 0.3592,  
0.3270

■ 39.3178, 0.2277,  
0.3395

■ 60.9697, 0.3672,  
0.3264

■ 39.3142, 0.2277,  
0.3395

■ 60.9989, 0.3666,  
0.3257

■ 61.0282, 0.3660,  
0.3250

# Harmonies

## Analogous

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



44.4171, 0.2922, 0.3567



44.4171, 0.2716, 0.3317



44.4171, 0.2619, 0.3072

# Triad

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



44.4171, 0.2716, 0.3317



44.4171, 0.3047, 0.2889



44.4171, 0.3624, 0.3665

# Complementary

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



44.4171, 0.2716, 0.3317



28.9292, 0.3758, 0.3264

# 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.



44.4171, 0.3664, 0.3471



44.4171, 0.2716, 0.3317



44.4171, 0.3323, 0.3034

# Square

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



44.4171, 0.2716, 0.3317



44.4171, 0.2803, 0.2839



44.4171, 0.3553, 0.3243



44.4171, 0.3447, 0.3768



# Rectangle

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



44.4171, 0.2716, 0.3317



44.4171, 0.2625, 0.2947



44.4171, 0.3553, 0.3243



44.4171, 0.3654, 0.3607

# Sweetspot

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



44.4189, 0.2716, 0.3317



87.3681, 0.2993, 0.3298



42.7689, 0.3109, 0.4140



18.6679, 0.2972, 0.3299



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.



44.4189, 0.2716, 0.3317



78.7114, 0.2636, 0.3324



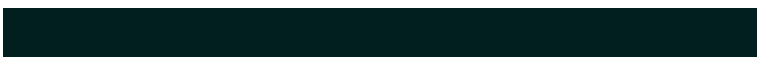
34.6706, 0.2662, 0.2915



10.8036, 0.2990, 0.3298



26.7721, 0.2276, 0.3394



1.0505, 0.2269, 0.3367



# Inverse Universe

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



28.9292, 0.3758, 0.3264



45.9100, 0.3968, 0.3258



36.5481, 0.3682, 0.3637



9.5417, 0.3283, 0.3282



7.2915, 0.6356, 0.3275

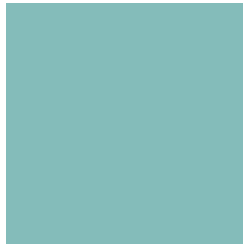


0.2875, 0.6187, 0.3182



# Previews

## White Background



This preview shows how the Yxy color 44.4171, 0.2716, 0.3317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

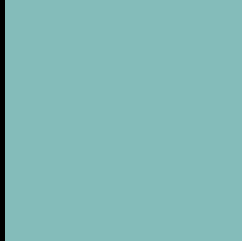
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4171, 0.2716, 0.3317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

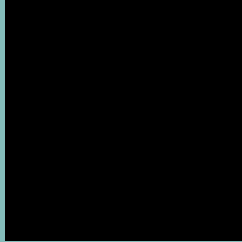
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.4171, 0.2716, 0.3317**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4171, 0.2716, 0.3317.



This preview shows how white text looks on a background with the Yxy color 44.4171, 0.2716, 0.3317.

# 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

44.4171, 0.2716, 0.3317

### Protanopia

44.0086, 0.3138, 0.3250

### Deuteranopia

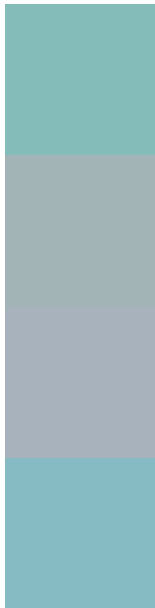
43.9980, 0.3137, 0.3073



## Tritanopia

44.4858, 0.2638, 0.3080

# Trichromacy



**Original Color**

44.4171, 0.2716, 0.3317

**Protanomaly**

43.8064, 0.2969, 0.3262

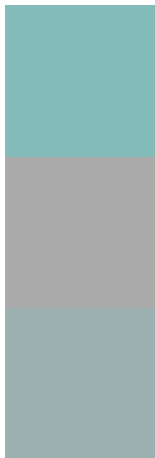
**Deuteranomaly**

43.7965, 0.2964, 0.3155

**Tritanomaly**

44.5945, 0.2664, 0.3162

# Monochromacy



**Original Color**

44.4171, 0.2716, 0.3317

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

41.7470, 0.2965, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4171, 0.2716, 0.3317 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, 188, 186)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 186)  
}
```

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, 188, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4171, 0.2716, 0.3317 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, 188, 186) }
```

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

```
.border{ border-color:rgb(132, 188, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 188, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 188, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 188, 186);  
box-shadow:4px 4px 4px 4px rgb(132, 188,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4171, 0.2716, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 186) }
```

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

```
.background{ background-color: rgb(132,  
188, 186) }
```

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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