

# Converting Colors

$Yxy(43.2196, 0.2721, 0.3374)$

Have a look what the booklet for  
Yxy(43.2196, 0.2721, 0.3374)  
contains.

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# Color

**Yxy(43.0432, 0.2718, 0.3362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80BAB5
RGB	128, 186, 181
RGB Percent	50%, 73%, 71%
CMY	0.4981, 0.2706, 0.2902
CMYK	0.31, 0.00, 0.03, 0.27
HSL	175°, 30%, 62%
HSV	175°, 31%, 73%
XYZ	34.7982, 43.0432, 50.1872
YIQ	168.0880, -32.9630, -13.8510

# Conversions

## Conversions Part 2

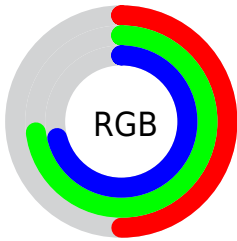
Format	Color
<a href="#">RYB</a>	<a href="#">128, 158, 186</a>
Decimal	<a href="#">8436405</a>
CIELab	<a href="#">71.58, -19.83, -3.49</a>
CIELCh	<a href="#">72, 20.130, 189.970</a>
Yxy	<a href="#">43.0432, 0.2718, 0.3362</a>
Android (android.graphics.Color)	<a href="#">4286626485 (0xFF80BAB5)</a>
YUV	<a href="#">168.0880, 6.3656, -35.1572</a>
Hunter-Lab	<a href="#">65.6073, -20.1363, 0.5704</a>

# Details

The Yxy color **43.0432, 0.2718, 0.3362** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.5657, 0.3763, 0.3221**, and the grayscale version is **39.1819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6860, 0.2794, 0.3345**, and **19.8701, 0.2605, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **41.6671, 0.2610, 0.3389**, and if you desaturate by 10%, it is **44.6880, 0.2839, 0.3337**.

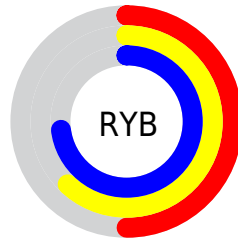
# Distribution



Red (50%)

Green (73%)

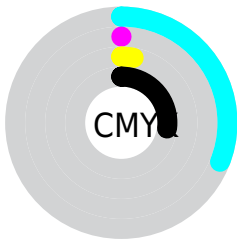
Blue (71%)



Red (50%)

Yellow (62%)

Blue (73%)

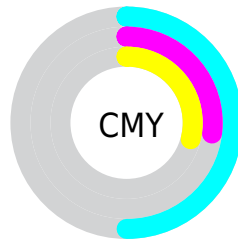


Cyan (31%)

Magenta (0%)

Yellow (3%)

Black (27%)



Cyan (50%)

Magenta (27%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0432, 0.2718, 0.3362 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 43.0432, 0.2718, 0.3362 by changing the saturation by 10% instead.




 43.0432, 0.2718,  
0.3362


 43.0432, 0.2718,  
0.3362


358.7894, 0.2924,  
0.3328


 29.9190, 0.2666,  
0.3370


 79.7760, 0.2793,  
0.3350

 19.7771, 0.2600,  
0.3380


 104.1535, 0.2821,  
0.3345

 12.2331, 0.2512,  
0.3392


 133.0508, 0.2845,  
0.3341

 6.9027, 0.2388,  
0.3408

166.8524, 0.2865,  
0.3338

 3.4013, 0.2203,  
0.3429

205.9427, 0.2883,  
0.3335

 1.3447, 0.1889,  
0.3457

250.7060, 0.2898,

 0.1754, 0.0000,

0.3332

0.2875

301.5268, 0.2911,  
0.3330

0.0000, 0.0000,  
0.0000

43.0432, 0.2718,  
0.3362

43.0432, 0.2718,  
0.3362

41.6671, 0.2610,  
0.3389

44.6880, 0.2839,  
0.3337

40.5399, 0.2517,  
0.3416

46.6095, 0.2971,  
0.3314

39.6475, 0.2442,  
0.3445


48.8220, 0.3110,  
0.3292


38.9722, 0.2385,  
0.3474


51.3372, 0.3254,  
0.3273


38.4940, 0.2347,  
0.3504

54.1661, 0.3400,  
0.3256


 38.1888, 0.2328,  
0.3533

 57.3193, 0.3546,  
0.3241

 38.0216, 0.2322,  
0.3558

 60.1981, 0.3663,  
0.3227

 60.2698, 0.3649,  
0.3210

 60.3424, 0.3636,  
0.3193

# Harmonies

## Analogous

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



43.0432, 0.2951, 0.3622



43.0432, 0.2718, 0.3362



43.0432, 0.2595, 0.3094

# Triad

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



43.0432, 0.2718, 0.3362



43.0432, 0.2996, 0.2850



43.0432, 0.3673, 0.3660

# Complementary

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



43.0432, 0.2718, 0.3362



27.5657, 0.3763, 0.3221

# 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.



43.0432, 0.3691, 0.3443



43.0432, 0.2718, 0.3362



43.0432, 0.3290, 0.2989

# Square

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



43.0432, 0.2718, 0.3362



43.0432, 0.2749, 0.2814



43.0432, 0.3548, 0.3202



43.0432, 0.3504, 0.3790



# Rectangle

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



43.0432, 0.2718, 0.3362



43.0432, 0.2587, 0.2952



43.0432, 0.3548, 0.3202



43.0432, 0.3697, 0.3594

# Sweetspot

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



43.0449, 0.2718, 0.3362



85.2518, 0.2999, 0.3309



41.7297, 0.3131, 0.4181



18.6510, 0.2979, 0.3312



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.



43.0449, 0.2718, 0.3362



76.3580, 0.2647, 0.3379



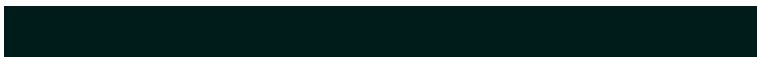
34.2549, 0.2645, 0.2940



10.1969, 0.2997, 0.3310



25.5826, 0.2321, 0.3554



0.9058, 0.2300, 0.3479



# Inverse Universe

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



27.5657, 0.3763, 0.3221



44.1297, 0.3954, 0.3207



34.1924, 0.3726, 0.3615



9.0245, 0.3274, 0.3271



7.0533, 0.6288, 0.3237



0.2529, 0.5884, 0.3015



# Previews

## White Background



This preview shows how the Yxy color 43.0432, 0.2718, 0.3362 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

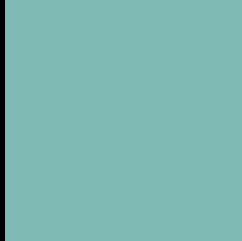
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.0432, 0.2718, 0.3362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

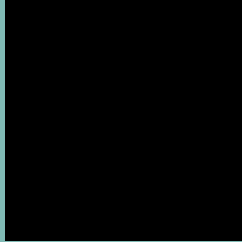
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

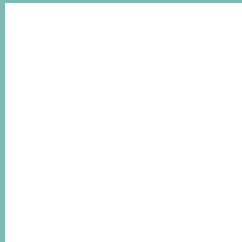
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.0432, 0.2718, 0.3362**

## Background



This preview shows how black text looks on a background with the Yxy color 43.0432, 0.2718, 0.3362.



This preview shows how white text looks on a background with the Yxy color 43.0432, 0.2718, 0.3362.

# 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

43.0432, 0.2718, 0.3362

### Protanopia

42.7931, 0.3163, 0.3290

### Deuteranopia

42.7749, 0.3163, 0.3109



## Tritanopia

42.8497, 0.2631, 0.3077

# Trichromacy



## Original Color

43.0432, 0.2718, 0.3362

## Protanomaly

42.4887, 0.2982, 0.3304

## Deuteranomaly

42.5766, 0.2986, 0.3194

## Tritanomaly

42.9120, 0.2664, 0.3174

# Monochromacy



## Original Color

43.0432, 0.2718, 0.3362

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

40.4494, 0.2954, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0432, 0.2718, 0.3362 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(128, 186, 181)` looks like.

```
.text, #text, p{  
    color:rgb(128, 186, 181)  
}
```

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(128, 186, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 186, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0432, 0.2718, 0.3362 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(128, 186, 181) }
```

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

```
.border{ border-color:rgb(128, 186, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 186, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 186, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 186, 181);  
box-shadow:4px 4px 4px 4px rgb(128, 186,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0432, 0.2718, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 186, 181) }
```

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

```
.background{ background-color: rgb(128,  
186, 181) }
```

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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