

# Converting Colors

$Yxy(44.0452, 0.2729, 0.3450)$

Have a look what the booklet for  
Yxy(44.0452, 0.2729, 0.3450)  
contains.

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# Color

**Yxy(44.0452, 0.2729, 0.3450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EBDB2
RGB	126, 189, 178
RGB Percent	49%, 74%, 70%
CMY	0.5058, 0.2588, 0.3020
CMYK	0.33, 0.00, 0.06, 0.26
HSL	170°, 32%, 62%
HSV	170°, 33%, 74%
XYZ	34.8404, 44.0452, 48.7817
YIQ	168.9090, -34.0170, -16.7770

# Conversions

## Conversions Part 2

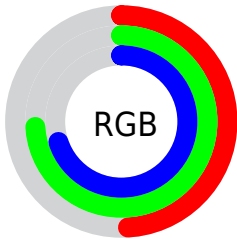
Format	Color
<b>RYB</b>	126, 161, 189
Decimal	8306098
CIELab	72.26, -22.59, -0.87
CIElCh	72, 22.605, 182.197
Yxy	44.0452, 0.2729, 0.3450
Android (android.graphics.Color)	4286496178 (0xFF7EBDB2)
YUV	168.9090, 4.4819, -37.6312
Hunter-Lab	66.3666, -22.4345, 2.8764

# Details

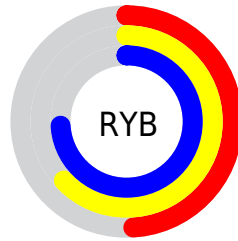
The Yxy color **44.0452, 0.2729, 0.3450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.5556, 0.3756, 0.3139**, and the grayscale version is **39.6227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0691, 0.2801, 0.3412**, and **20.2251, 0.2613, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **42.6118, 0.2632, 0.3506**, and if you desaturate by 10%, it is **45.7568, 0.2839, 0.3397**.

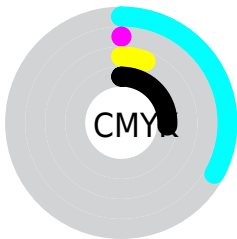
# Distribution



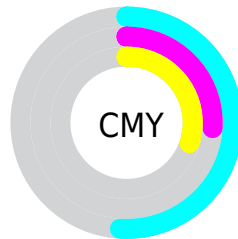
- Red (49%)
- Green (74%)
- Blue (70%)



- Red (49%)
- Yellow (63%)
- Blue (74%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)




- Cyan (51%)
- Magenta (26%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0452, 0.2729, 0.3450 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 44.0452, 0.2729, 0.3450 by changing the saturation by 10% instead.





 44.0452, 0.2729,  
0.3450


 44.0452, 0.2729,  
0.3450


362.8927, 0.2929,  
0.3370


 30.7060, 0.2679,  
0.3470


 81.2858, 0.2802,  
0.3421

 20.3751, 0.2614,  
0.3495

 105.9559, 0.2829,  
0.3410

 12.6680, 0.2528,  
0.3529


 135.1719, 0.2852,  
0.3401

 7.2003, 0.2407,  
0.3576

169.3181, 0.2872,  
0.3393

 3.5877, 0.2227,  
0.3645

208.7789, 0.2889,  
0.3386

 1.4457, 0.1921,  
0.3761

253.9386, 0.2904,

 0.2501, 0.0000,

0.3380

0.4290

305.1818, 0.2917,  
0.3375

0.0000, 0.0000,  
0.0000

44.0452, 0.2729,  
0.3450

44.0452, 0.2729,  
0.3450

42.6118, 0.2632,  
0.3506

45.7568, 0.2839,  
0.3397

41.4360, 0.2549,  
0.3565

47.7553, 0.2958,  
0.3349

40.5026, 0.2485,  
0.3626


50.0558, 0.3084,  
0.3304

39.7927, 0.2438,  
0.3688


52.6706, 0.3215,  
0.3263

39.2847, 0.2411,  
0.3751

55.6114, 0.3347,  
0.3227


 38.9524, 0.2403,  
0.3813

 58.8892, 0.3479,  
0.3195

 38.7941, 0.2404,  
0.3855

 61.8772, 0.3581,  
0.3166

 62.0345, 0.3554,  
0.3132

 62.1951, 0.3526,  
0.3098

# Harmonies

## Analogous

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



44.0452, 0.3009, 0.3723



44.0452, 0.2729, 0.3450



44.0452, 0.2558, 0.3142

# Triad

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



44.0452, 0.2729, 0.3450



44.0452, 0.2902, 0.2780



44.0452, 0.3758, 0.3643

# Complementary

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



44.0452, 0.2729, 0.3450



27.5556, 0.3756, 0.3139

# 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.



44.0452, 0.3731, 0.3388



44.0452, 0.2729, 0.3450



44.0452, 0.3222, 0.2907

# Square

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



44.0452, 0.2729, 0.3450



44.0452, 0.2654, 0.2773



44.0452, 0.3531, 0.3125



44.0452, 0.3608, 0.3822



# Rectangle

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



44.0452, 0.2729, 0.3450



44.0452, 0.2524, 0.2968



44.0452, 0.3531, 0.3125



44.0452, 0.3770, 0.3563

# Sweetspot

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



44.0470, 0.2729, 0.3450



86.7718, 0.2997, 0.3334



43.2691, 0.3173, 0.4240



18.5396, 0.2980, 0.3340



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.



44.0470, 0.2729, 0.3450



76.9600, 0.2656, 0.3491



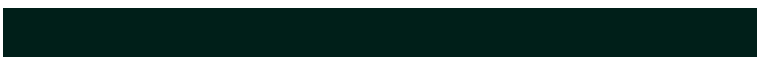
36.5101, 0.2622, 0.2992



10.7801, 0.3007, 0.3330



26.1123, 0.2402, 0.3847



1.0305, 0.2361, 0.3698



# Inverse Universe

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



27.5556, 0.3756, 0.3139



42.8867, 0.3961, 0.3105



32.8748, 0.3801, 0.3567



9.5629, 0.3262, 0.3250



7.3613, 0.6115, 0.3142



0.2969, 0.5497, 0.2802



# Previews

## White Background



This preview shows how the Yxy color 44.0452, 0.2729, 0.3450 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 44.0452, 0.2729, 0.3450 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

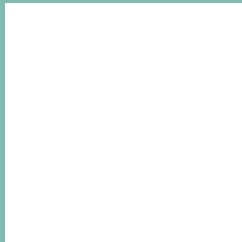
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.0452, 0.2729, 0.3450**

## Background



This preview shows how black text looks on a background with the Yxy color 44.0452, 0.2729, 0.3450.



This preview shows how white text looks on a background with the Yxy color 44.0452, 0.2729, 0.3450.

# 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

44.0452, 0.2729, 0.3450

### Protanopia

43.7767, 0.3221, 0.3370

### Deuteranopia

43.5796, 0.3215, 0.3149



## Tritanopia

44.1602, 0.2612, 0.3079

# Trichromacy



**Original Color**

44.0452, 0.2729, 0.3450

**Protanomaly**

43.6419, 0.3021, 0.3401

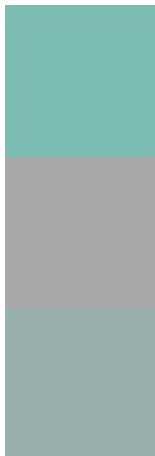
**Deuteranomaly**

43.3925, 0.3010, 0.3249

**Tritanomaly**

44.0580, 0.2650, 0.3203

# Monochromacy



**Original Color**

44.0452, 0.2729, 0.3450

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

40.8015, 0.2962, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0452, 0.2729, 0.3450 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(126, 189, 178)` looks like.

```
.text, #text, p{  
    color:rgb(126, 189, 178)  
}
```

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(126, 189, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 189, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0452, 0.2729, 0.3450 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(126, 189, 178) }
```

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

```
.border{ border-color:rgb(126, 189, 178) }
```

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

Here you see how a box with a 4 pixel rgb(126, 189, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 189, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 189, 178);  
box-shadow:4px 4px 4px 4px rgb(126, 189,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0452, 0.2729, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 189, 178) }
```

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

```
.background{ background-color: rgb(126,  
189, 178) }
```

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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