

# Converting Colors

$Yxy(44.8751, 0.2757, 0.3335)$

Have a look what the booklet for  
Yxy(44.8751, 0.2757, 0.3335)  
contains.

<b>Yxy(44.7876, 0.2756, 0.3332)</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(44.7876, 0.2756, 0.3332)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	89BCB9
RGB	137, 188, 185
RGB Percent	54%, 74%, 73%
CMY	0.4631, 0.2627, 0.2746
CMYK	0.27, 0.00, 0.02, 0.26
HSL	176°, 28%, 64%
HSV	176°, 27%, 74%
XYZ	37.0452, 44.7876, 52.5838
YIQ	172.4090, -29.4330, -11.7450

# Conversions

## Conversions Part 2

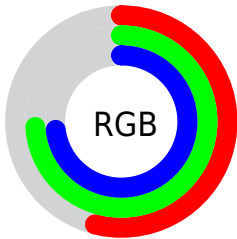
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 163, 188
Decimal	9026745
CIELab	72.75, -17.32, -3.89
CIELCh	73, 17.752, 192.669
Yxy	44.7876, 0.2756, 0.3332
Android (android.graphics.Color)	4287216825 (0xFF89BCB9)
YUV	172.4090, 6.2074, -31.0537
Hunter-Lab	66.9235, -18.3084, 0.2606

# Details

The Yxy color **44.7876, 0.2756, 0.3332** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.4540, 0.3671, 0.3249**, and the grayscale version is **41.4444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2587, 0.2825, 0.3322**, and **20.9252, 0.2652, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **43.2907, 0.2640, 0.3350**, and if you desaturate by 10%, it is **46.5653, 0.2885, 0.3315**.

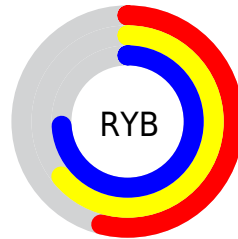
# Distribution



Red (54%)

Green (74%)

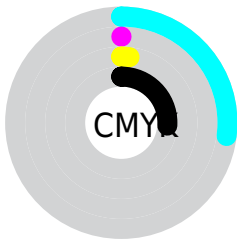
Blue (73%)



Red (54%)

Yellow (64%)

Blue (74%)

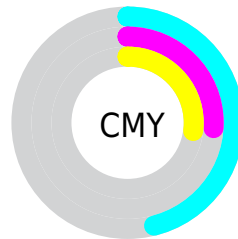


Cyan (27%)

Magenta (0%)

Yellow (2%)

Black (26%)



Cyan (46%)

Magenta (26%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7876, 0.2756, 0.3332 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 44.7876, 0.2756, 0.3332 by changing the saturation by 10% instead.



■ 44.7876, 0.2756,  
0.3332

■ 44.7876, 0.2756,  
0.3332

■ 365.9127, 0.2941,  
0.3313

■ 31.2902, 0.2710,  
0.3336

■ 82.4016, 0.2823,  
0.3326

■ 20.8199, 0.2651,  
0.3341

■ 107.2869, 0.2849,  
0.3323

■ 12.9924, 0.2572,  
0.3347

■ 136.7370, 0.2870,  
0.3321

■ 7.4233, 0.2463,  
0.3354

■ 171.1363, 0.2888,  
0.3319

■ 3.7282, 0.2301,  
0.3361

■ 210.8691, 0.2904,  
0.3317

■ 1.5227, 0.2037,  
0.3366

■ 256.3198, 0.2918,

■ 0.3046, 0.0000,

0.3316

0.3353

307.8729, 0.2930,  
0.3314

0.0000, 0.0000,  
0.0000

44.7876, 0.2756,  
0.3332

44.7876, 0.2756,  
0.3332

43.2907, 0.2640,  
0.3350

46.5653, 0.2885,  
0.3315

42.0548, 0.2538,  
0.3368

48.6318, 0.3023,  
0.3300

41.0660, 0.2454,  
0.3387

51.0012, 0.3169,  
0.3286

40.3071, 0.2388,  
0.3407

53.6854, 0.3318,  
0.3274

39.7585, 0.2341,  
0.3427

56.6954, 0.3469,  
0.3262

■ 39.3973, 0.2312,  
0.3446

■ 60.0418, 0.3619,  
0.3253

■ 39.1912, 0.2300,  
0.3466

■ 61.0772, 0.3653,  
0.3242

■ 39.1445, 0.2298,  
0.3471

■ 61.1272, 0.3644,  
0.3230

■ 61.1775, 0.3634,  
0.3219

# Harmonies

## Analogous

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



44.7876, 0.2953, 0.3559



44.7876, 0.2756, 0.3332



44.7876, 0.2657, 0.3103

# Triad

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



44.7876, 0.2756, 0.3332



44.7876, 0.3036, 0.2911



44.7876, 0.3594, 0.3628

# Complementary

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



44.7876, 0.2756, 0.3332



30.4540, 0.3671, 0.3249

# 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.



44.7876, 0.3621, 0.3445



44.7876, 0.2756, 0.3332



44.7876, 0.3292, 0.3041

# Square

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



44.7876, 0.2756, 0.3332



44.7876, 0.2814, 0.2872



44.7876, 0.3509, 0.3233



44.7876, 0.3438, 0.3730



# Rectangle

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



44.7876, 0.2756, 0.3332



44.7876, 0.2658, 0.2983



44.7876, 0.3509, 0.3233



44.7876, 0.3618, 0.3574

# Sweetspot

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



44.7894, 0.2756, 0.3332



87.7358, 0.3010, 0.3302



43.3832, 0.3118, 0.4054



18.7398, 0.2989, 0.3304



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.



44.7894, 0.2756, 0.3332



79.3696, 0.2680, 0.3343



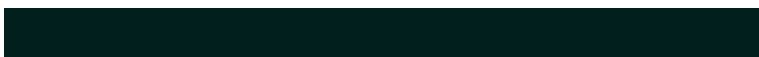
36.1707, 0.2705, 0.2965



10.7995, 0.2993, 0.3303



26.6486, 0.2297, 0.3469



1.0468, 0.2284, 0.3422



# Inverse Universe

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



30.4540, 0.3671, 0.3249



48.7907, 0.3852, 0.3240



37.3157, 0.3627, 0.3594



9.5453, 0.3279, 0.3277



7.2998, 0.6326, 0.3258

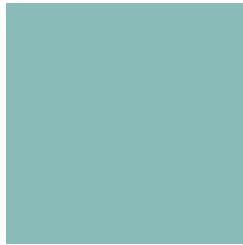


0.2891, 0.6051, 0.3107



# Previews

## White Background



This preview shows how the Yxy color 44.7876, 0.2756, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

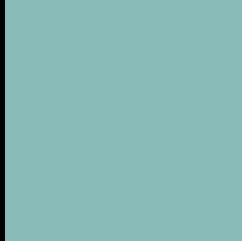
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7876, 0.2756, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

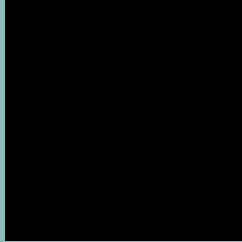
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

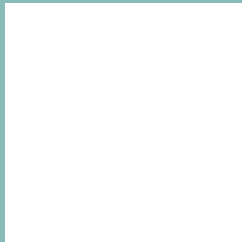
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.7876, 0.2756, 0.3332**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7876, 0.2756, 0.3332.

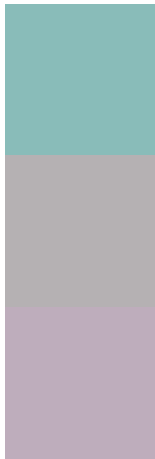


This preview shows how white text looks on a background with the Yxy color 44.7876, 0.2756, 0.3332.

# 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

44.7876, 0.2756, 0.3332

### Protanopia

44.5227, 0.3146, 0.3264

### Deuteranopia

44.4651, 0.3154, 0.3099



## Tritanopia

44.9103, 0.2671, 0.3082

# Trichromacy



## Original Color

44.7876, 0.2756, 0.3332

## Protanomaly

44.3833, 0.2993, 0.3290

## Deuteranomaly

44.0866, 0.2997, 0.3169

## Tritanomaly

44.9697, 0.2704, 0.3177

# Monochromacy



## Original Color

44.7876, 0.2756, 0.3332

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

42.3860, 0.2974, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7876, 0.2756, 0.3332 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(137, 188, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 188, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7876, 0.2756, 0.3332 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, 185) }
```

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

```
.border{ border-color:rgb(137, 188, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 188, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 188, 185);  
box-shadow:4px 4px 4px 4px rgb(137, 188,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7876, 0.2756, 0.3332 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, 185) }
```

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

```
.background{ background-color: rgb(137,  
188, 185) }
```

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