

# Converting Colors

$Y_{xy}(41.9580, 0.2749, 0.3379)$

Have a look what the booklet for  
Yxy(41.9580, 0.2749, 0.3379)  
contains.

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# Color

**Yxy(41.7871, 0.2754, 0.3377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82B7B1
RGB	130, 183, 177
RGB Percent	51%, 72%, 69%
CMY	0.4901, 0.2824, 0.3058
CMYK	0.29, 0.00, 0.03, 0.28
HSL	173°, 27%, 61%
HSV	173°, 29%, 72%
XYZ	34.0781, 41.7871, 47.8751
YIQ	166.4690, -29.6620, -13.1020

# Conversions

## Conversions Part 2

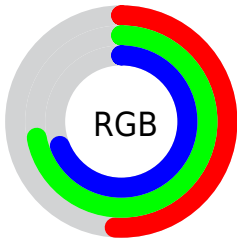
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 158, 183
Decimal	8566705
CIE <sub>Lab</sub>	70.72, -18.60, -2.56
CIE <sub>LCh</sub>	71, 18.777, 187.832
Yxy	41.7871, 0.2754, 0.3377
Android (android.graphics.Color)	4286756785 (0xFF82B7B1)
YUV	166.4690, 5.1918, -31.9833
Hunter-Lab	64.6429, -19.0246, 1.3394

# Details

The Yxy color **41.7871, 0.2754, 0.3377** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.8133, 0.3684, 0.3206**, and the grayscale version is **38.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8065, 0.2819, 0.3356**, and **19.0656, 0.2638, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **40.3862, 0.2645, 0.3412**, and if you desaturate by 10%, it is **43.4500, 0.2875, 0.3345**.

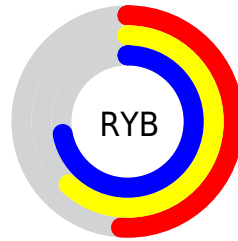
# Distribution



Red (51%)

Green (72%)

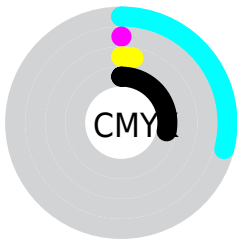
Blue (69%)



Red (51%)

Yellow (62%)

Blue (72%)

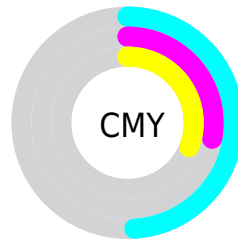


Cyan (29%)

Magenta (0%)

Yellow (3%)

Black (28%)



Cyan (49%)

Magenta (28%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7871, 0.2754, 0.3377 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 41.7871, 0.2754, 0.3377 by changing the saturation by 10% instead.



 41.7871, 0.2754,  
0.3377


 41.7871, 0.2754,  
0.3377

353.5996, 0.2943,  
0.3334

 28.9346, 0.2706,  
0.3387


 77.8773, 0.2823,  
0.3362

 19.0314, 0.2645,  
0.3400


 101.8838, 0.2849,  
0.3356

 11.6929, 0.2562,  
0.3417


 130.3772, 0.2871,  
0.3351

 6.5350, 0.2445,  
0.3440

163.7417, 0.2889,  
0.3347

 3.1730, 0.2269,  
0.3473

202.3618, 0.2905,  
0.3343

 1.2227, 0.1947,  
0.3531

246.6219, 0.2919,

 0.0801, 0.0000,

0.3340

0.2314

296.9064, 0.2932,  
0.3337

0.0000, 0.0000,  
0.0000

41.7871, 0.2754,  
0.3377

41.7871, 0.2754,  
0.3377

40.3862, 0.2645,  
0.3412

43.4500, 0.2875,  
0.3345

39.2285, 0.2551,  
0.3448

45.3825, 0.3005,  
0.3315

38.3009, 0.2473,  
0.3486

47.5981, 0.3142,  
0.3287

37.5868, 0.2414,  
0.3524

50.1078, 0.3282,  
0.3263

37.0675, 0.2374,  
0.3563

52.9222, 0.3424,  
0.3241

■ 36.7210, 0.2353,  
0.3602

■ 56.0512, 0.3565,  
0.3221

■ 36.5080, 0.2346,  
0.3640

■ 58.9092, 0.3677,  
0.3203

■ 36.4879, 0.2346,  
0.3644

■ 59.0011, 0.3659,  
0.3182

■ 59.0942, 0.3641,  
0.3160

# Harmonies

## Analogous

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



41.7871, 0.2980, 0.3616



41.7871, 0.2754, 0.3377



41.7871, 0.2629, 0.3123

# Triad

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



41.7871, 0.2754, 0.3377



41.7871, 0.2985, 0.2868



41.7871, 0.3647, 0.3627

# Complementary

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



41.7871, 0.2754, 0.3377



27.8133, 0.3684, 0.3206

# 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.



41.7871, 0.3653, 0.3420



41.7871, 0.2754, 0.3377



41.7871, 0.3261, 0.2994

# Square

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



41.7871, 0.2754, 0.3377



41.7871, 0.2758, 0.2843



41.7871, 0.3509, 0.3191



41.7871, 0.3498, 0.3757



# Rectangle

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



41.7871, 0.2754, 0.3377



41.7871, 0.2615, 0.2985



41.7871, 0.3509, 0.3191



41.7871, 0.3666, 0.3564

# Sweetspot

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



41.7888, 0.2754, 0.3377



81.2080, 0.3002, 0.3315



40.7294, 0.3139, 0.4105



17.8187, 0.2983, 0.3319



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7888, 0.2754, 0.3377



73.1293, 0.2680, 0.3400



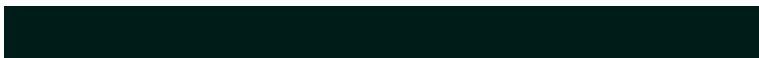
34.2495, 0.2682, 0.2983



10.1927, 0.3000, 0.3316



25.4612, 0.2344, 0.3640



0.9026, 0.2317, 0.3540



# Inverse Universe

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



27.8133, 0.3684, 0.3206



43.8530, 0.3867, 0.3187



33.5957, 0.3676, 0.3578



9.0283, 0.3270, 0.3264



7.0653, 0.6244, 0.3213

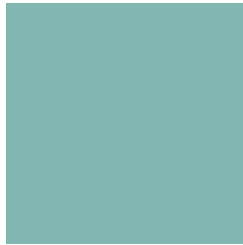


0.2545, 0.5747, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 41.7871, 0.2754, 0.3377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

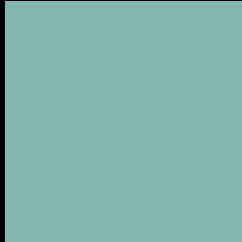
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7871, 0.2754, 0.3377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

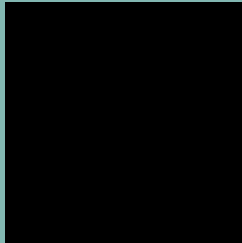
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

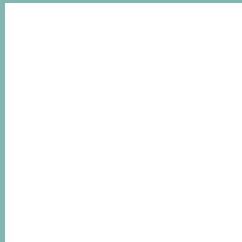
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.7871, 0.2754, 0.3377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7871, 0.2754, 0.3377.

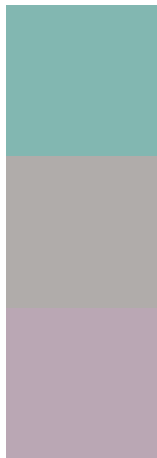


This preview shows how white text looks on a background with the Yxy color 41.7871, 0.2754, 0.3377.

# 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

41.7871, 0.2754, 0.3377

### Protanopia

41.6374, 0.3180, 0.3317

### Deuteranopia

41.3718, 0.3190, 0.3120



## Tritanopia

41.6510, 0.2659, 0.3076

# Trichromacy



## Original Color

41.7871, 0.2754, 0.3377

## Protanomaly

41.4387, 0.3004, 0.3332

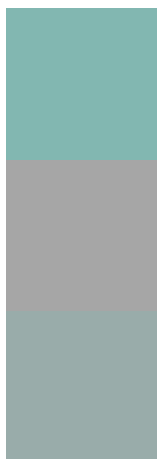
## Deuteranomaly

41.2488, 0.3017, 0.3207

## Tritanomaly

41.6651, 0.2699, 0.3188

# Monochromacy



## Original Color

41.7871, 0.2754, 0.3377

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

39.1796, 0.2977, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7871, 0.2754, 0.3377 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(130, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(130, 183, 177)  
}
```

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(130, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 183, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7871, 0.2754, 0.3377 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(130, 183, 177) }
```

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

```
.border{ border-color:rgb(130, 183, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 183, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 183, 177); box-shadow:4px 4px 4px 4px rgb(130, 183, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7871, 0.2754, 0.3377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 183, 177) }
```

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

```
.background{ background-color: rgb(130,  
183, 177) }
```

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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