

# Converting Colors

$Yxy(52.7844, 0.2826, 0.3340)$

Have a look what the booklet for  
Yxy(52.7844, 0.2826, 0.3340)  
contains.

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# Color

**Yxy(52.8724, 0.2824, 0.3342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CC9C5
RGB	156, 201, 197
RGB Percent	61%, 79%, 77%
CMY	0.3881, 0.2118, 0.2276
CMYK	0.22, 0.00, 0.02, 0.21
HSL	175°, 29%, 70%
HSV	175°, 22%, 79%
XYZ	44.6773, 52.8724, 60.6561
YIQ	187.0890, -25.5360, -10.7840

# Conversions

## Conversions Part 2

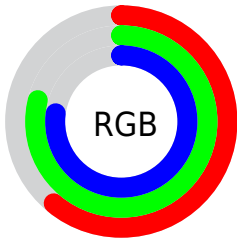
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 180, 201
Decimal	10275269
CIE <sub>Lab</sub>	77.80, -15.54, -2.84
CIE <sub>LCh</sub>	78, 15.802, 190.356
Y <sub>xy</sub>	52.8724, 0.2824, 0.3342
Android (android.graphics.Color)	4288465349 (0xFF9CC9C5)
YUV	187.0890, 4.8861, -27.2651
Hunter-Lab	72.7134, -17.5726, 1.4408

# Details

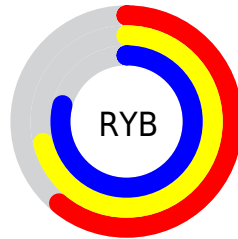
The Yxy color **52.8724, 0.2824, 0.3342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7473, 0.3539, 0.3239**, and the grayscale version is **49.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5246, 0.2871, 0.3300**, and **25.7937, 0.2749, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **50.9499, 0.2704, 0.3368**, and if you desaturate by 10%, it is **55.1321, 0.2955, 0.3318**.

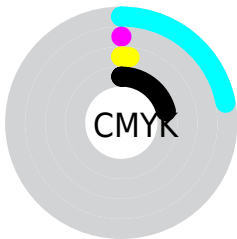
# Distribution



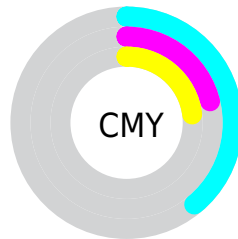
- Red (61%)
- Green (79%)
- Blue (77%)



- Red (61%)
- Yellow (71%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)




- Cyan (39%)
- Magenta (21%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8724, 0.2824, 0.3342 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 52.8724, 0.2824, 0.3342 by changing the saturation by 10% instead.




 52.8724, 0.2824,  
0.3342

 52.8724, 0.2824,  
0.3342

397.7954, 0.2972,  
0.3318

 37.7009, 0.2788,  
0.3348


 94.4166, 0.2877,  
0.3334

 25.7506, 0.2743,  
0.3354


 121.5581, 0.2897,  
0.3330

 16.6372, 0.2684,  
0.3363


153.4583, 0.2914,  
0.3328

 9.9762, 0.2604,  
0.3374

190.5018, 0.2929,  
0.3325

 5.3832, 0.2489,  
0.3389

233.0728, 0.2941,  
0.3323

 2.4738, 0.2310,  
0.3409

281.5559, 0.2953,

 0.8635, 0.1798,

0.3321

0.3518

336.3352, 0.2963,  
0.3319

0.0000, 0.0000,  
0.0000

52.8724, 0.2824,  
0.3342

52.8724, 0.2824,  
0.3342

50.9499, 0.2704,  
0.3368

55.1321, 0.2955,  
0.3318

49.3417, 0.2597,  
0.3396

57.7376, 0.3093,  
0.3295

48.0323, 0.2507,  
0.3425

60.7053, 0.3237,  
0.3275

47.0023, 0.2434,  
0.3456


64.0488, 0.3383,  
0.3256

46.2300, 0.2380,  
0.3486


67.4880, 0.3517,  
0.3240

 45.6904, 0.2346,  
0.3517


 67.5760, 0.3503,  
0.3222

 45.3535, 0.2329,  
0.3547

 67.6650, 0.3489,  
0.3203

 45.1916, 0.2325,  
0.3570

 67.7550, 0.3475,  
0.3185

 67.8460, 0.3461,  
0.3167

# Harmonies

## Analogous

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



52.8724, 0.2997, 0.3528



52.8724, 0.2824, 0.3342



52.8724, 0.2732, 0.3148

# Triad

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



52.8724, 0.2824, 0.3342



52.8724, 0.3035, 0.2963



52.8724, 0.3526, 0.3567

# Complementary

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



52.8724, 0.2824, 0.3342



38.7473, 0.3539, 0.3239

# 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.



52.8724, 0.3539, 0.3410



52.8724, 0.2824, 0.3342



52.8724, 0.3250, 0.3068

# Square

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



52.8724, 0.2824, 0.3342



52.8724, 0.2851, 0.2937



52.8724, 0.3437, 0.3229



52.8724, 0.3403, 0.3657



# Rectangle

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



52.8724, 0.2824, 0.3342



52.8724, 0.2727, 0.3042



52.8724, 0.3437, 0.3229



52.8724, 0.3543, 0.3520

# Sweetspot

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



52.8746, 0.2824, 0.3342



96.6678, 0.3027, 0.3305



51.7033, 0.3133, 0.3903



20.6325, 0.3019, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



52.8746, 0.2824, 0.3342



88.8070, 0.2762, 0.3355



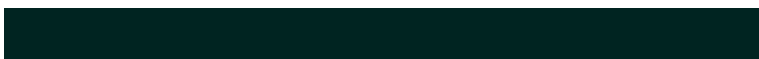
45.1617, 0.2781, 0.3048



12.0505, 0.2996, 0.3311



28.4220, 0.2324, 0.3565



1.3507, 0.2306, 0.3502



# Inverse Universe

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



38.7473, 0.3539, 0.3239



60.2609, 0.3662, 0.3227



45.0997, 0.3530, 0.3520



10.6521, 0.3276, 0.3270



7.8411, 0.6288, 0.3238

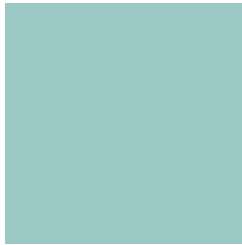


0.3767, 0.5938, 0.3045



# Previews

## White Background



This preview shows how the Yxy color 52.8724, 0.2824, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

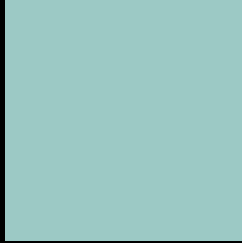
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8724, 0.2824, 0.3342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

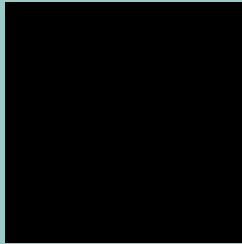
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

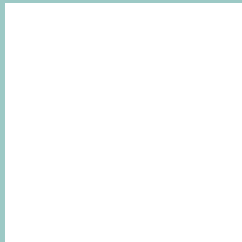
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.8724, 0.2824, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8724, 0.2824, 0.3342.

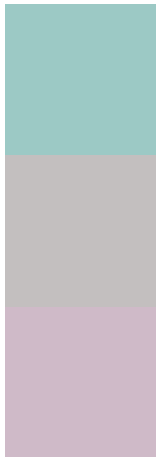


This preview shows how white text looks on a background with the Yxy color 52.8724, 0.2824, 0.3342.

# 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

52.8724, 0.2824, 0.3342

### Protanopia

52.6253, 0.3160, 0.3290

### Deuteranopia

52.5533, 0.3193, 0.3124



## Tritanopia

52.7168, 0.2741, 0.3085

# Trichromacy



## Original Color

52.8724, 0.2824, 0.3342

## Protanomaly

52.7042, 0.3032, 0.3315

## Deuteranomaly

52.0765, 0.3044, 0.3191

## Tritanomaly

52.7718, 0.2772, 0.3173

# Monochromacy



## Original Color

52.8724, 0.2824, 0.3342

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.6910, 0.3007, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8724, 0.2824, 0.3342 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(156, 201, 197)` looks like.

```
.text, #text, p{  
    color:rgb(156, 201, 197)  
}
```

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(156, 201, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 201, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8724, 0.2824, 0.3342 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(156, 201, 197) }
```

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

```
.border{ border-color:rgb(156, 201, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 201, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 201, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 201, 197); box-shadow:4px 4px 4px 4px rgb(156, 201, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8724, 0.2824, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 201, 197) }
```

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

```
.background{ background-color: rgb(156,  
201, 197) }
```

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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