

# Converting Colors

$Yxy(52.3455, 0.2781, 0.3254)$

Have a look what the booklet for  
Yxy(52.3455, 0.2781, 0.3254)  
contains.

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# Color

**Yxy(52.5414, 0.2784, 0.3263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC8CA
RGB	155, 200, 202
RGB Percent	61%, 78%, 79%
CMY	0.3922, 0.2156, 0.2079
CMYK	0.23, 0.01, 0.00, 0.21
HSL	183°, 31%, 70%
HSV	183°, 23%, 79%
XYZ	44.8285, 52.5414, 63.6519
YIQ	186.7730, -27.4620, -8.9180

# Conversions

## Conversions Part 2

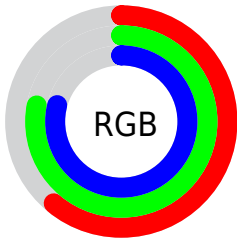
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	155, 178, 202
Decimal	10209482
CIE Lab	77.60, -14.26, -5.84
CIE LCh	78, 15.412, 202.285
Yxy	52.5414, 0.2784, 0.3263
Android (android.graphics.Color)	4288399562 (0xFF9BC8CA)
YUV	186.7730, 7.5069, -27.8649
Hunter-Lab	72.4854, -16.4566, -1.3247

# Details

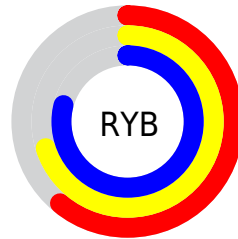
The Yxy color **52.5414, 0.2784, 0.3263** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0232, 0.3597, 0.3317**, and the grayscale version is **49.5266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **25.5207, 0.2690, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **50.3157, 0.2653, 0.3250**, and if you desaturate by 10%, it is **55.1078, 0.2926, 0.3275**.

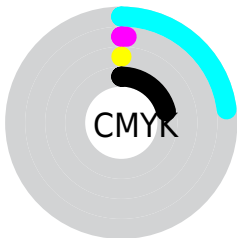
# Distribution



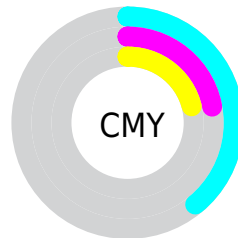
- Red (61%)
- Green (78%)
- Blue (79%)



- Red (61%)
- Yellow (70%)
- Blue (79%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)




- Cyan (39%)
- Magenta (22%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5414, 0.2784, 0.3263 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 52.5414, 0.2784, 0.3263 by changing the saturation by 10% instead.




 52.5414, 0.2784,  
0.3263


 52.5414, 0.2784,  
0.3263


396.5232, 0.2951,  
0.3278

 37.4368, 0.2744,  
0.3259


 93.9292, 0.2843,  
0.3269

 25.5459, 0.2693,  
0.3253


 120.9812, 0.2866,  
0.3271

 16.4842, 0.2627,  
0.3245


152.7844, 0.2885,  
0.3273

 9.8674, 0.2538,  
0.3232

189.7233, 0.2902,  
0.3274

 5.3112, 0.2409,  
0.3212

232.1822, 0.2916,  
0.3276

 2.4310, 0.2212,  
0.3175

280.5456, 0.2929,

 0.8417, 0.1695,

0.3277

0.3158

335.1978, 0.2941,  
0.3278

0.0000, 0.0000,  
0.0000

52.5414, 0.2784,  
0.3263

52.5414, 0.2784,  
0.3263

50.3157, 0.2653,  
0.3250

55.1078, 0.2926,  
0.3275

48.4078, 0.2537,  
0.3237

58.0241, 0.3077,  
0.3287

46.8016, 0.2436,  
0.3223

61.3068, 0.3232,  
0.3297

45.4774, 0.2354,  
0.3208

64.9697, 0.3391,  
0.3306

44.4130, 0.2292,  
0.3194

68.8401, 0.3542,  
0.3315

■ 43.5826, 0.2248,  
0.3180

■ 69.2474, 0.3540,  
0.3323

■ 42.9554, 0.2221,  
0.3166

■ 69.6569, 0.3538,  
0.3332

■ 42.6106, 0.2210,  
0.3157

■ 70.0686, 0.3537,  
0.3341

■ 70.4825, 0.3535,  
0.3350

# Harmonies

## Analogous

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



52.5414, 0.2925, 0.3455



52.5414, 0.2784, 0.3263



52.5414, 0.2733, 0.3086

# Triad

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



52.5414, 0.2784, 0.3263



52.5414, 0.3121, 0.3003



52.5414, 0.3480, 0.3606

# Complementary

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



52.5414, 0.2784, 0.3263



39.0232, 0.3597, 0.3317

# 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.



52.5414, 0.3538, 0.3474



52.5414, 0.2784, 0.3263



52.5414, 0.3327, 0.3131

# Square

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



52.5414, 0.2784, 0.3263



52.5414, 0.2922, 0.2945



52.5414, 0.3482, 0.3301



52.5414, 0.3327, 0.3657



# Rectangle

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



52.5414, 0.2784, 0.3263



52.5414, 0.2755, 0.3002



52.5414, 0.3482, 0.3301



52.5414, 0.3512, 0.3569

# Sweetspot

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



52.5435, 0.2784, 0.3263



96.2904, 0.3018, 0.3282



51.6239, 0.3086, 0.3916



20.5448, 0.3009, 0.3282



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.



52.5435, 0.2784, 0.3263



86.9727, 0.2716, 0.3257



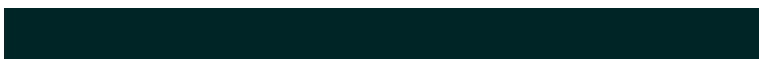
42.6428, 0.2759, 0.2951



12.6426, 0.2984, 0.3280



27.4550, 0.2211, 0.3159



1.4421, 0.2218, 0.3186



# Inverse Universe

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



40.1618, 0.3172, 0.2739



62.4024, 0.3182, 0.2618



47.5859, 0.3533, 0.3607



11.3953, 0.3144, 0.3071



10.5746, 0.3317, 0.1601



0.5481, 0.3294, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 52.5414, 0.2784, 0.3263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

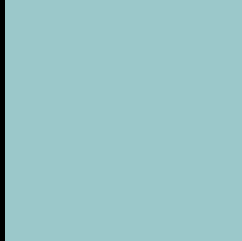
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.5414, 0.2784, 0.3263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

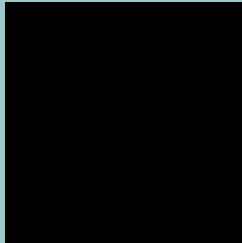
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

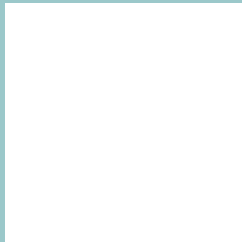
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.5414, 0.2784, 0.3263**

## Background



This preview shows how black text looks on a background with the Yxy color 52.5414, 0.2784, 0.3263.



This preview shows how white text looks on a background with the Yxy color 52.5414, 0.2784, 0.3263.

# 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

52.5414, 0.2784, 0.3263

### Protanopia

52.1499, 0.3106, 0.3216

### Deuteranopia

52.3630, 0.3130, 0.3064



## Tritanopia

52.4113, 0.2721, 0.3084

# Trichromacy



**Original Color**

52.5414, 0.2784, 0.3263

**Protanomaly**

52.2445, 0.2981, 0.3239

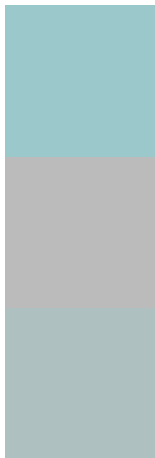
**Deuteranomaly**

52.0603, 0.2992, 0.3129

**Tritanomaly**

52.5679, 0.2740, 0.3147

# Monochromacy



**Original Color**

52.5414, 0.2784, 0.3263

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.6190, 0.2992, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5414, 0.2784, 0.3263 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(155, 200, 202)` looks like.

```
.text, #text, p{  
    color:rgb(155, 200, 202)  
}
```

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(155, 200, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 200, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5414, 0.2784, 0.3263 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(155, 200, 202) }
```

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

```
.border{ border-color:rgb(155, 200, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 200, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 200, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 200, 202); box-shadow:4px 4px 4px 4px rgb(155, 200, 202) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5414, 0.2784, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 200, 202) }
```

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

```
.background{ background-color: rgb(155,  
200, 202) }
```

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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