

# Converting Colors

$Y_{xy}(52.2004, 0.2820, 0.3593)$

Have a look what the booklet for  
Yxy(52.2004, 0.2820, 0.3593)  
contains.

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# Color

**Yxy(52.2259, 0.2821, 0.3591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DCCB6
RGB	141, 204, 182
RGB Percent	55%, 80%, 71%
CMY	0.4469, 0.2000, 0.2862
CMYK	0.31, 0.00, 0.11, 0.20
HSL	159°, 38%, 68%
HSV	159°, 31%, 80%
XYZ	41.0274, 52.2259, 52.1823
YIQ	182.6550, -30.4860, -20.1980

# Conversions

## Conversions Part 2

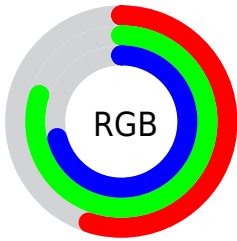
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 179, 204
Decimal	9292982
CIELab	77.42, -24.78, 4.55
CIELCh	77, 25.193, 169.599
Yxy	52.2259, 0.2821, 0.3591
Android (android.graphics.Color)	4287483062 (0xFF8DCCB6)
YUV	182.6550, -0.3229, -36.5314
Hunter-Lab	72.2675, -25.1309, 7.7756

# Details

The Yxy color **52.2259, 0.2821, 0.3591** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5444, 0.3577, 0.3010**, and the grayscale version is **47.1757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4288, 0.2871, 0.3471**, and **25.4724, 0.2736, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **50.3137, 0.2737, 0.3707**, and if you desaturate by 10%, it is **54.4868, 0.2914, 0.3484**.

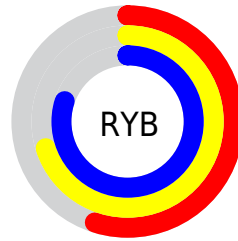
# Distribution



Red (55%)

Green (80%)

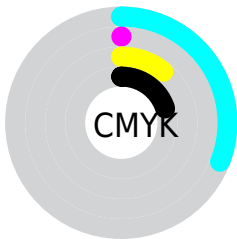
Blue (71%)



Red (55%)

Yellow (70%)

Blue (80%)

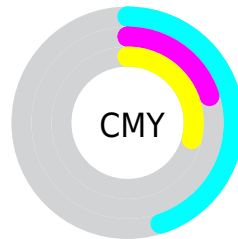


Cyan (31%)

Magenta (0%)

Yellow (11%)

Black (20%)



Cyan (45%)

Magenta (20%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2259, 0.2821, 0.3591 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 52.2259, 0.2821, 0.3591 by changing the saturation by 10% instead.





 52.2259, 0.2821,  
0.3591

 52.2259, 0.2821,  
0.3591


395.3081, 0.2972,  
0.3441

 37.1852, 0.2784,  
0.3629


 93.4643, 0.2876,  
0.3536

 25.3509, 0.2736,  
0.3677


 120.4308, 0.2896,  
0.3516

 16.3387, 0.2674,  
0.3741


152.1413, 0.2914,  
0.3499

 9.7641, 0.2587,  
0.3830

188.9802, 0.2929,  
0.3484

 5.2428, 0.2460,  
0.3964

231.3320, 0.2942,  
0.3471

 2.3904, 0.2257,  
0.4184

279.5809, 0.2953,

 0.8210, 0.1116,

0.3459

0.5222

334.1115, 0.2963,  
0.3450

0.0000, 0.0000,  
0.0000

52.2259, 0.2821,  
0.3591

52.2259, 0.2821,  
0.3591

50.3137, 0.2737,  
0.3707

54.4868, 0.2914,  
0.3484

48.7254, 0.2667,  
0.3831

57.1068, 0.3014,  
0.3386

47.4430, 0.2612,  
0.3960


60.1039, 0.3118,  
0.3297

46.4443, 0.2575,  
0.4094


63.4929, 0.3224,  
0.3218

45.7036, 0.2558,  
0.4229


67.2879, 0.3329,  
0.3148


 45.1907, 0.2562,  
0.4363

 69.8660, 0.3369,  
0.3081

 44.8706, 0.2579,  
0.4483

 70.2623, 0.3316,  
0.3011

 70.6751, 0.3264,  
0.2942

 71.1044, 0.3213,  
0.2874

# Harmonies

## Analogous

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



52.2259, 0.3144, 0.3830



52.2259, 0.2821, 0.3591



52.2259, 0.2587, 0.3266

# Triad

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



52.2259, 0.2821, 0.3591



52.2259, 0.2767, 0.2735



52.2259, 0.3804, 0.3552

# Complementary

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



52.2259, 0.2821, 0.3591



34.5444, 0.3577, 0.3010

# 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.



52.2259, 0.3694, 0.3273



52.2259, 0.2821, 0.3591



52.2259, 0.3081, 0.2819

# Square

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



52.2259, 0.2821, 0.3591



52.2259, 0.2558, 0.2785



52.2259, 0.3424, 0.3011



52.2259, 0.3720, 0.3784



# Rectangle

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



52.2259, 0.2821, 0.3591



52.2259, 0.2508, 0.3060



52.2259, 0.3424, 0.3011



52.2259, 0.3789, 0.3461

# Sweetspot

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



52.2280, 0.2821, 0.3591



95.3988, 0.3032, 0.3370



52.9024, 0.3252, 0.4144



20.2707, 0.3017, 0.3383



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.



52.2280, 0.2821, 0.3591



84.3378, 0.2764, 0.3667



48.8559, 0.2673, 0.3161



12.6579, 0.3029, 0.3372



28.2618, 0.2574, 0.4464



1.4720, 0.2502, 0.4207



# Inverse Universe

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



34.5444, 0.3577, 0.3010



50.5043, 0.3713, 0.2948



36.7293, 0.3783, 0.3414



11.2773, 0.3236, 0.3209



8.3842, 0.5560, 0.2837



0.4468, 0.5012, 0.2535



# Previews

## White Background



This preview shows how the Yxy color 52.2259, 0.2821, 0.3591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

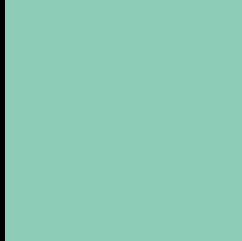
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2259, 0.2821, 0.3591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

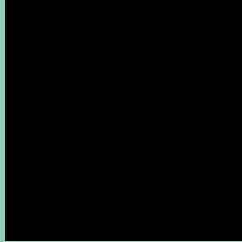
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.2259, 0.2821, 0.3591**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2259, 0.2821, 0.3591.

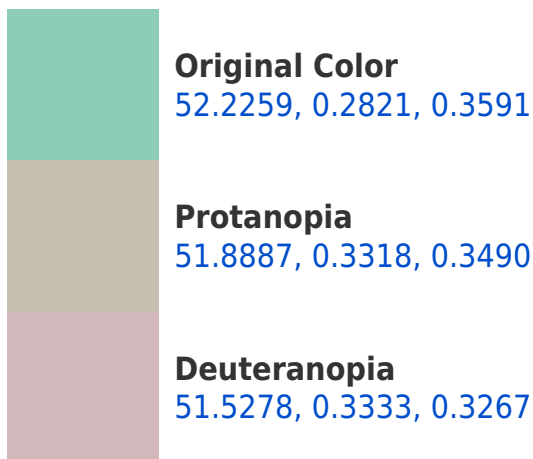


This preview shows how white text looks on a background with the Yxy color 52.2259, 0.2821, 0.3591.

# 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

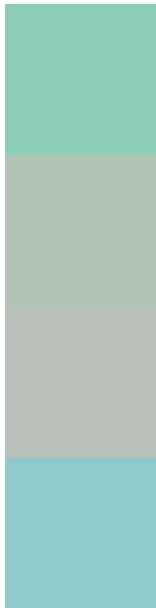




## Tritanopia

52.0490, 0.2658, 0.3081

# Trichromacy



**Original Color**

52.2259, 0.2821, 0.3591

**Protanomaly**

51.5516, 0.3116, 0.3524

**Deuteranomaly**

51.0787, 0.3124, 0.3366

**Tritanomaly**

52.1048, 0.2714, 0.3262

# Monochromacy



**Original Color**

52.2259, 0.2821, 0.3591

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

49.0053, 0.3002, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2259, 0.2821, 0.3591 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(141, 204, 182)` looks like.

```
.text, #text, p{  
    color:rgb(141, 204, 182)  
}
```

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(141, 204, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 204, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2259, 0.2821, 0.3591 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(141, 204, 182) }
```

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

```
.border{ border-color:rgb(141, 204, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 204, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 204, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 204, 182);  
box-shadow:4px 4px 4px 4px rgb(141, 204,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2259, 0.2821, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 204, 182) }
```

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

```
.background{ background-color: rgb(141,  
204, 182) }
```

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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