

# Converting Colors

$Yxy(52.3312, 0.2994, 0.3514)$

Have a look what the booklet for  
Yxy(52.3312, 0.2994, 0.3514)  
contains.

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# Color

**Yxy(52.3312, 0.2994, 0.3514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6C7B6
RGB	166, 199, 182
RGB Percent	65%, 78%, 71%
CMY	0.3491, 0.2196, 0.2863
CMYK	0.17, 0.00, 0.09, 0.22
HSL	149°, 23%, 72%
HSV	149°, 17%, 78%
XYZ	44.5873, 52.3312, 52.0036
YIQ	187.1950, -14.2110, -12.2830

# Conversions

## Conversions Part 2

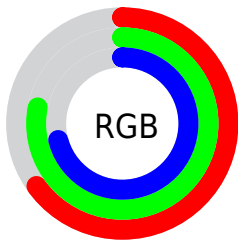
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 188, 199
Decimal	10930102
CIELab	77.48, -14.42, 4.84
CIELCh	77, 15.211, 161.464
Yxy	52.3312, 0.2994, 0.3514
Android (android.graphics.Color)	4289120182 (0xFFA6C7B6)
YUV	187.1950, -2.5611, -18.5880
Hunter-Lab	72.3403, -16.5763, 8.0162

# Details

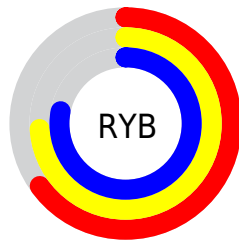
The Yxy color **52.3312, 0.2994, 0.3514** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8234, 0.3285, 0.3076**, and the grayscale version is **49.8284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0652, 0.3015, 0.3464**, and **25.4132, 0.2961, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **49.9386, 0.2918, 0.3669**, and if you desaturate by 10%, it is **55.0920, 0.3074, 0.3374**.

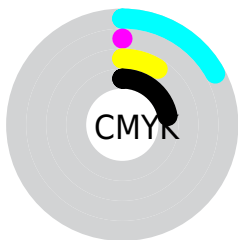
# Distribution



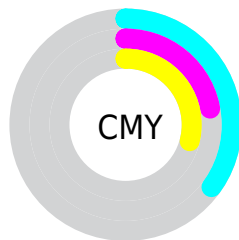
- Red (65%)
- Green (78%)
- Blue (71%)



- Red (65%)
- Yellow (74%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)




- Cyan (35%)
- Magenta (22%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3312, 0.2994, 0.3514 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 52.3312, 0.2994, 0.3514 by changing the saturation by 10% instead.





 52.3312, 0.2994,  
0.3514


 52.3312, 0.2994,  
0.3514

395.7139, 0.3060,  
0.3402

 37.2691, 0.2978,  
0.3542


 93.6195, 0.3018,  
0.3474

 25.4159, 0.2957,  
0.3577


 120.6145, 0.3027,  
0.3458

 16.3872, 0.2929,  
0.3625


152.3560, 0.3035,  
0.3445

 9.7986, 0.2890,  
0.3691

189.2283, 0.3041,  
0.3434

 5.2656, 0.2833,  
0.3789

231.6159, 0.3047,  
0.3425

 2.4039, 0.2739,  
0.3952

279.9031, 0.3052,

 0.8279, 0.2381,

0.3416

0.4534

334.4743, 0.3056,  
0.3409

0.0000, 0.0000,  
0.0000

52.3312, 0.2994,  
0.3514

52.3312, 0.2994,  
0.3514

49.9386, 0.2918,  
0.3669

55.0920, 0.3074,  
0.3374

47.8916, 0.2848,  
0.3839

58.2294, 0.3155,  
0.3249

46.1754, 0.2788,  
0.4022

61.7595, 0.3236,  
0.3139

44.7714, 0.2741,  
0.4216

65.6957, 0.3315,  
0.3041

43.6589, 0.2710,  
0.4417

68.0095, 0.3311,  
0.2947

■ 42.8148, 0.2697,  
0.4619

■ 68.6132, 0.3235,  
0.2849

■ 42.2122, 0.2704,  
0.4817

■ 69.2515, 0.3162,  
0.2754

■ 41.8163, 0.2730,  
0.5005

■ 69.3325, 0.3153,  
0.2742

■ 41.7067, 0.2741,  
0.5066

# Harmonies

## Analogous

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



52.3312, 0.3198, 0.3630



52.3312, 0.2994, 0.3514



52.3312, 0.2829, 0.3333

# Triad

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



52.3312, 0.2994, 0.3514



52.3312, 0.2866, 0.2948



52.3312, 0.3526, 0.3412

# Complementary

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



52.3312, 0.2994, 0.3514



42.8234, 0.3285, 0.3076

# 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.



52.3312, 0.3432, 0.3238



52.3312, 0.2994, 0.3514



52.3312, 0.3046, 0.2976

# Square

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



52.3312, 0.2994, 0.3514



52.3312, 0.2757, 0.3008



52.3312, 0.3254, 0.3081



52.3312, 0.3509, 0.3563



# Rectangle

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



52.3312, 0.2994, 0.3514



52.3312, 0.2762, 0.3206



52.3312, 0.3254, 0.3081



52.3312, 0.3506, 0.3355

# Sweetspot

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



52.3334, 0.2994, 0.3514



97.2458, 0.3086, 0.3354



53.6769, 0.3242, 0.3715



20.7347, 0.3080, 0.3363



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

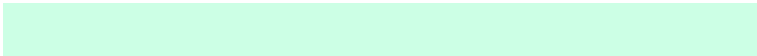


# Same Dimension

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



52.3334, 0.2994, 0.3514



89.9997, 0.2965, 0.3570



53.0547, 0.2882, 0.3296



11.9722, 0.3051, 0.3411



26.8322, 0.2734, 0.5042



1.2851, 0.2625, 0.4650



# Inverse Universe

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



42.8234, 0.3285, 0.3076



70.1738, 0.3328, 0.3027



42.1773, 0.3435, 0.3284



10.7266, 0.3210, 0.3172



8.4485, 0.4877, 0.2460

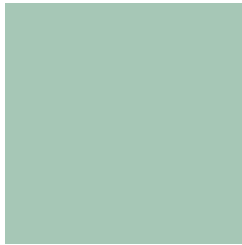


0.4146, 0.4437, 0.2218



# Previews

## White Background



This preview shows how the Yxy color 52.3312, 0.2994, 0.3514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

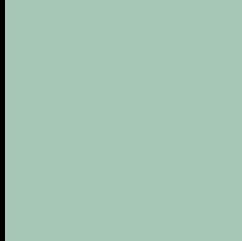
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.3312, 0.2994, 0.3514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

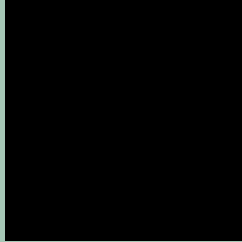
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

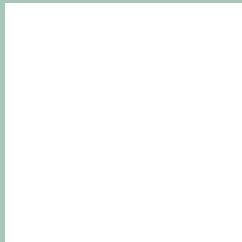
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.3312, 0.2994, 0.3514**

## Background



This preview shows how black text looks on a background with the Yxy color 52.3312, 0.2994, 0.3514.



This preview shows how white text looks on a background with the Yxy color 52.3312, 0.2994, 0.3514.

# 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

52.3312, 0.2994, 0.3514

### Protanopia

52.0070, 0.3295, 0.3452

### Deuteranopia

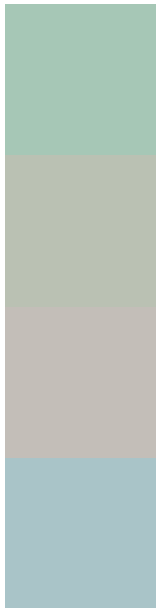
52.1978, 0.3357, 0.3291



## Tritanopia

52.3413, 0.2840, 0.3100

# Trichromacy



**Original Color**

52.3312, 0.2994, 0.3514

**Protanomaly**

51.8337, 0.3176, 0.3468

**Deuteranomaly**

51.8897, 0.3214, 0.3365

**Tritanomaly**

52.0850, 0.2892, 0.3238

# Monochromacy



**Original Color**

52.3312, 0.2994, 0.3514

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.3481, 0.3075, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3312, 0.2994, 0.3514 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(166, 199, 182)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 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(166, 199, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3312, 0.2994, 0.3514 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(166, 199, 182) }
```

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

```
.border{ border-color:rgb(166, 199, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 199, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 182);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3312, 0.2994, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 182) }
```

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

```
.background{ background-color: rgb(166,  
199, 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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