

# Converting Colors

$Yxy(55.0188, 0.3033, 0.3453)$

Have a look what the booklet for  
Yxy(55.0188, 0.3033, 0.3453)  
contains.

<b>Yxy(54.7945, 0.3028, 0.3442)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(54.7945, 0.3028, 0.3442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1C9BD
RGB	177, 201, 189
RGB Percent	69%, 79%, 74%
CMY	0.3059, 0.2117, 0.2587
CMYK	0.12, 0.00, 0.06, 0.21
HSL	150°, 18%, 74%
HSV	150°, 12%, 79%
XYZ	48.2039, 54.7945, 56.1954
YIQ	192.4560, -10.4520, -8.8200

# Conversions

## Conversions Part 2

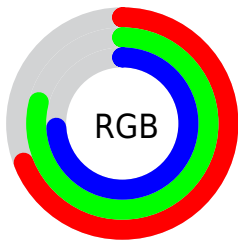
Format	Color
<a href="#">RYB</a>	<a href="#">177, 193, 201</a>
Decimal	<a href="#">11651517</a>
CIELab	<a href="#">78.92, -10.41, 3.23</a>
CIElCh	<a href="#">79, 10.905, 162.754</a>
Yxy	<a href="#">54.7945, 0.3028, 0.3442</a>
Android (android.graphics.Color)	<a href="#">4289841597</a> ( <a href="#">0xFFB1C9BD</a> )
YUV	<a href="#">192.4560, -1.7038, -13.5549</a>
Hunter-Lab	<a href="#">74.0233, -13.3018, 6.8058</a>

# Details

The Yxy color **54.7945, 0.3028, 0.3442** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5313, 0.3239, 0.3143**, and the grayscale version is **53.0086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4362, 0.3049, 0.3389**, and **26.9301, 0.2997, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **52.1874, 0.2948, 0.3585**, and if you desaturate by 10%, it is **57.7840, 0.3111, 0.3313**.

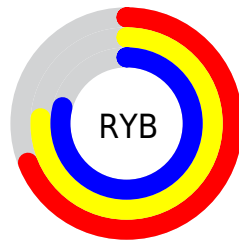
# Distribution



Red (69%)

Green (79%)

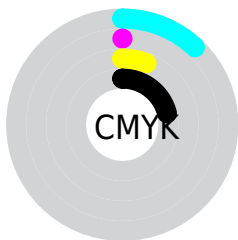
Blue (74%)



Red (69%)

Yellow (76%)

Blue (79%)

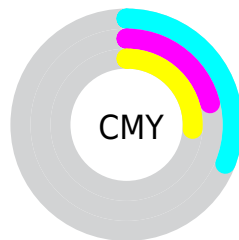


Cyan (12%)

Magenta (0%)

Yellow (6%)

Black (21%)



Cyan (31%)

Magenta (21%)


Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7945, 0.3028, 0.3442 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 54.7945, 0.3028, 0.3442 by changing the saturation by 10% instead.




 54.7945, 0.3028,  
0.3442

 54.7945, 0.3028,  
0.3442


405.1325, 0.3077,  
0.3367

 39.2372, 0.3016,  
0.3460


 97.2398, 0.3045,  
0.3415

 26.9443, 0.3001,  
0.3484


124.8966, 0.3052,  
0.3405

 17.5314, 0.2981,  
0.3514

157.3554, 0.3058,  
0.3396

 10.6141, 0.2954,  
0.3557

195.0005, 0.3063,  
0.3389

 5.8080, 0.2914,  
0.3619

238.2164, 0.3067,  
0.3382

 2.7287, 0.2850,  
0.3719

287.3874, 0.3071,

 0.9918, 0.2710,

0.3377

0.3926

342.8980, 0.3074,  
0.3372

0.0000, 0.0000,  
0.0000

54.7945, 0.3028,  
0.3442

54.7945, 0.3028,  
0.3442

52.1874, 0.2948,  
0.3585

57.7840, 0.3111,  
0.3313

49.9399, 0.2873,  
0.3743

61.1638, 0.3194,  
0.3199

48.0376, 0.2806,  
0.3915


64.9500, 0.3277,  
0.3098

46.4621, 0.2751,  
0.4098

68.6996, 0.3339,  
0.3007


45.1934, 0.2711,  
0.4289


69.2763, 0.3265,  
0.2910


 44.2093, 0.2688,  
0.4485

 69.8858, 0.3193,  
0.2816

 43.4843, 0.2685,  
0.4680

 70.2555, 0.3152,  
0.2762

 42.9879, 0.2702,  
0.4868

 42.7104, 0.2726,  
0.5013

# Harmonies

## Analogous

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



54.7945, 0.3172, 0.3525



54.7945, 0.3028, 0.3442



54.7945, 0.2912, 0.3316

# Triad

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



54.7945, 0.3028, 0.3442



54.7945, 0.2947, 0.3046



54.7945, 0.3409, 0.3384

# Complementary

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



54.7945, 0.3028, 0.3442



47.5313, 0.3239, 0.3143

# 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.



54.7945, 0.3346, 0.3259



54.7945, 0.3028, 0.3442



54.7945, 0.3077, 0.3068

# Square

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



54.7945, 0.3028, 0.3442



54.7945, 0.2866, 0.3088



54.7945, 0.3223, 0.3145



54.7945, 0.3394, 0.3488



# Rectangle

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



54.7945, 0.3028, 0.3442



54.7945, 0.2865, 0.3227



54.7945, 0.3223, 0.3145



54.7945, 0.3396, 0.3343

# Sweetspot

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



54.7968, 0.3028, 0.3442



97.7932, 0.3093, 0.3339



55.7679, 0.3207, 0.3591



20.8456, 0.3087, 0.3349



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

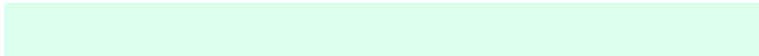


# Same Dimension

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



54.7968, 0.3028, 0.3442



92.7526, 0.3010, 0.3473



55.3387, 0.2946, 0.3289



11.9751, 0.3049, 0.3408



26.8718, 0.2719, 0.4987



1.2870, 0.2612, 0.4605



# Inverse Universe

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



47.5313, 0.3239, 0.3143



78.2002, 0.3263, 0.3114



47.0325, 0.3340, 0.3291



10.7237, 0.3213, 0.3175



8.4076, 0.4945, 0.2498



0.4127, 0.4488, 0.2246



# Previews

## White Background



This preview shows how the Yxy color 54.7945, 0.3028, 0.3442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

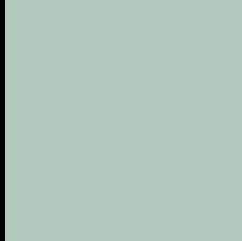
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.7945, 0.3028, 0.3442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

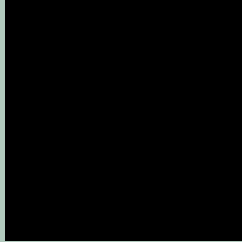
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

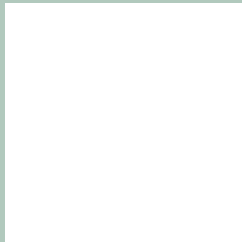
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.7945, 0.3028, 0.3442**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.7945, 0.3028, 0.3442.

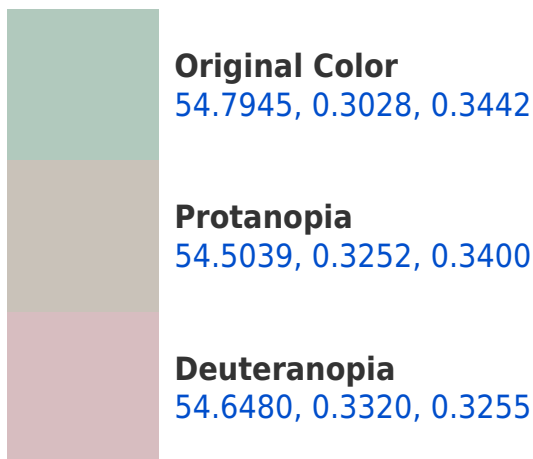


This preview shows how white text looks on a background with the Yxy color 54.7945, 0.3028, 0.3442.

# 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

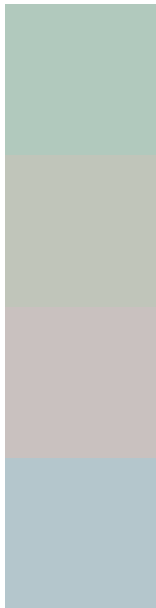




## Tritanopia

54.5604, 0.2893, 0.3093

# Trichromacy



## Original Color

54.7945, 0.3028, 0.3442

## Protanomaly

54.6841, 0.3168, 0.3426

## Deuteranomaly

54.3190, 0.3207, 0.3314

## Tritanomaly

54.4511, 0.2947, 0.3215

# Monochromacy



## Original Color

54.7945, 0.3028, 0.3442

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.3566, 0.3093, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.7945, 0.3028, 0.3442 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(177, 201, 189)` looks like.

```
.text, #text, p{  
    color:rgb(177, 201, 189)  
}
```

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(177, 201, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 201, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 54.7945, 0.3028, 0.3442 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(177, 201, 189) }
```

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

```
.border{ border-color:rgb(177, 201, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 201, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 201, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 201, 189); box-shadow:4px 4px 4px 4px rgb(177, 201, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.7945, 0.3028, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 201, 189) }
```

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

```
.background{ background-color: rgb(177,  
201, 189) }
```

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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