

# Converting Colors

$Y_{xy}(57.1423, 0.2796, 0.3511)$

Have a look what the booklet for  
Yxy(57.1423, 0.2796, 0.3511)  
contains.

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# Color

**Yxy(57.3230, 0.2794, 0.3512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94D4C3
RGB	148, 212, 195
RGB Percent	58%, 83%, 76%
CMY	0.4197, 0.1686, 0.2353
CMYK	0.30, 0.00, 0.08, 0.17
HSL	164°, 43%, 71%
HSV	164°, 30%, 83%
XYZ	45.6038, 57.3230, 60.2936
YIQ	190.9260, -32.6870, -18.8550

# Conversions

## Conversions Part 2

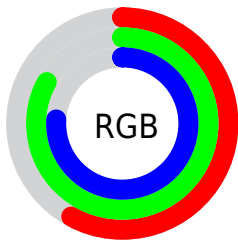
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 185, 212
Decimal	9753795
CIELab	80.36, -23.92, 1.90
CIElCh	80, 23.991, 175.448
Yxy	57.3230, 0.2794, 0.3512
Android (android.graphics.Color)	4287943875 (0xFF94D4C3)
YUV	190.9260, 2.0085, -37.6461
Hunter-Lab	75.7120, -24.9796, 5.7825

# Details

The Yxy color **57.3230, 0.2794, 0.3512** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8871, 0.3621, 0.3081**, and the grayscale version is **52.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3856, 0.2842, 0.3320**, and **28.4699, 0.2711, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **55.2765, 0.2701, 0.3599**, and if you desaturate by 10%, it is **59.7458, 0.2898, 0.3432**.

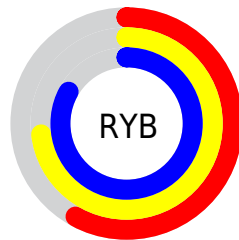
# Distribution



Red (58%)

Green (83%)

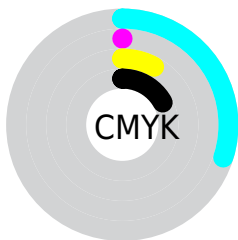
Blue (76%)



Red (58%)

Yellow (73%)

Blue (83%)

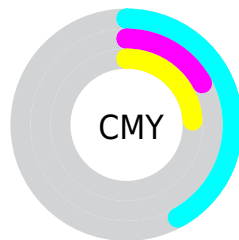


Cyan (30%)

Magenta (0%)

Yellow (8%)

Black (17%)



Cyan (42%)

Magenta (17%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3230, 0.2794, 0.3512 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 57.3230, 0.2794, 0.3512 by changing the saturation by 10% instead.





 57.3230, 0.2794,  
0.3512


 57.3230, 0.2794,  
0.3512

414.6585, 0.2955,  
0.3404

 41.2646, 0.2755,  
0.3538


 100.9363, 0.2851,  
0.3473

 28.5259, 0.2707,  
0.3571


 129.2601, 0.2873,  
0.3459

 18.7225, 0.2644,  
0.3614


162.4411, 0.2892,  
0.3446

 11.4699, 0.2558,  
0.3673

200.8637, 0.2908,  
0.3435

 6.3838, 0.2437,  
0.3758

244.9124, 0.2922,  
0.3426

 3.0799, 0.2250,  
0.3890

294.9715, 0.2934,

 1.1736, 0.1806,

0.3418

351.4254, 0.2945,  
0.3411

0.4186

0.0400, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.3230, 0.2794,  
0.3512

57.3230, 0.2794,  
0.3512

55.2765, 0.2701,  
0.3599

59.7458, 0.2898,  
0.3432

53.5795, 0.2622,  
0.3690


62.5563, 0.3009,  
0.3358

52.2124, 0.2559,  
0.3786


65.7740, 0.3125,  
0.3291

51.1510, 0.2514,  
0.3885


69.4150, 0.3243,  
0.3231


 50.3676, 0.2489,  
0.3985


 73.4945, 0.3362,  
0.3178

 49.8294, 0.2484,  
0.4085

 73.9960, 0.3329,  
0.3122

 49.4817, 0.2495,  
0.4182

 74.3153, 0.3289,  
0.3067

 74.6448, 0.3249,  
0.3012

 74.9847, 0.3210,  
0.2958

# Harmonies

## Analogous

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



57.3230, 0.3083, 0.3754



57.3230, 0.2794, 0.3512



57.3230, 0.2599, 0.3212

# Triad

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



57.3230, 0.2794, 0.3512



57.3230, 0.2845, 0.2781



57.3230, 0.3750, 0.3582

# Complementary

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



57.3230, 0.2794, 0.3512



37.8871, 0.3621, 0.3081

# 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.



57.3230, 0.3683, 0.3327



57.3230, 0.2794, 0.3512



57.3230, 0.3148, 0.2881

# Square

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



57.3230, 0.2794, 0.3512



57.3230, 0.2628, 0.2803



57.3230, 0.3458, 0.3076



57.3230, 0.3641, 0.3778



# Rectangle

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



57.3230, 0.2794, 0.3512



57.3230, 0.2544, 0.3030



57.3230, 0.3458, 0.3076



57.3230, 0.3748, 0.3500

# Sweetspot

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



57.3253, 0.2794, 0.3512



95.5179, 0.3021, 0.3350



57.2335, 0.3210, 0.4136



20.3001, 0.3005, 0.3361



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

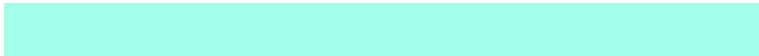


# Same Dimension

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



57.3253, 0.2794, 0.3512



85.0760, 0.2735, 0.3565



51.0111, 0.2673, 0.3093



14.0490, 0.3018, 0.3353



30.5623, 0.2491, 0.4168



1.8567, 0.2444, 0.3997



# Inverse Universe

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



37.8871, 0.3621, 0.3081



51.1380, 0.3765, 0.3037



42.3012, 0.3747, 0.3477



12.4744, 0.3250, 0.3228



8.8334, 0.5866, 0.3005



0.5466, 0.5366, 0.2730



# Previews

## White Background



This preview shows how the Yxy color 57.3230, 0.2794, 0.3512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

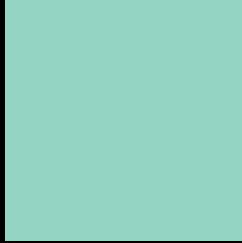
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.3230, 0.2794, 0.3512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

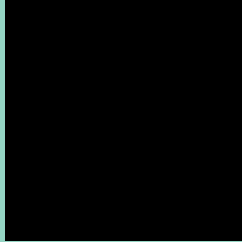
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

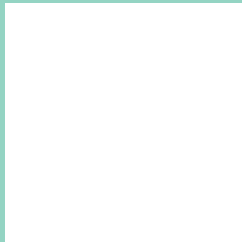
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.3230, 0.2794, 0.3512**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3230, 0.2794, 0.3512.

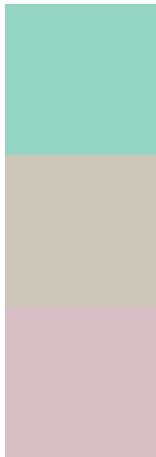


This preview shows how white text looks on a background with the Yxy color 57.3230, 0.2794, 0.3512.

# 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

57.3230, 0.2794, 0.3512

### Protanopia

56.9552, 0.3265, 0.3422

### Deuteranopia

56.5745, 0.3278, 0.3210



## Tritanopia

57.3636, 0.2657, 0.3089

# Trichromacy



**Original Color**

57.3230, 0.2794, 0.3512

**Protanomaly**

56.6199, 0.3074, 0.3452

**Deuteranomaly**

56.1305, 0.3080, 0.3302

**Tritanomaly**

57.0804, 0.2709, 0.3238

# Monochromacy



**Original Color**

57.3230, 0.2794, 0.3512

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

53.7666, 0.2993, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3230, 0.2794, 0.3512 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(148, 212, 195)` looks like.

```
.text, #text, p{  
    color:rgb(148, 212, 195)  
}
```

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(148, 212, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 212, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3230, 0.2794, 0.3512 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(148, 212, 195) }
```

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

```
.border{ border-color:rgb(148, 212, 195) }
```

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

Here you see how a box with a 4 pixel rgb(148, 212, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 212, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 212, 195);  
box-shadow:4px 4px 4px 4px rgb(148, 212,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3230, 0.2794, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 212, 195) }
```

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

```
.background{ background-color: rgb(148,  
212, 195) }
```

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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