

# Converting Colors

$Yxy(55.0158, 0.2689, 0.3187)$

Have a look what the booklet for  
Yxy(55.0158, 0.2689, 0.3187)  
contains.

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# Color

**Yxy(54.9508, 0.2691, 0.3186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96CDD5
RGB	150, 205, 213
RGB Percent	59%, 80%, 84%
CMY	0.4119, 0.1960, 0.1647
CMYK	0.30, 0.04, 0.00, 0.16
HSL	188°, 43%, 71%
HSV	188°, 30%, 84%
XYZ	46.4132, 54.9508, 71.1118
YIQ	189.4670, -35.3480, -9.1720

# Conversions

## Conversions Part 2

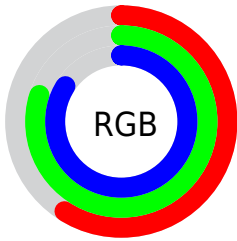
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 179, 213
Decimal	9883093
CIELab	79.01, -15.80, -9.71
CIELCh	79, 18.547, 211.562
Yxy	54.9508, 0.2691, 0.3186
Android (android.graphics.Color)	4288073173 (0xFF96CDD5)
YUV	189.4670, 11.6018, -34.6126
Hunter-Lab	74.1288, -17.9637, -4.9867

# Details

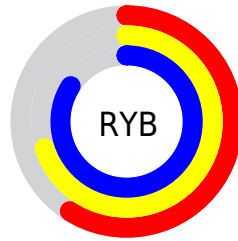
The Yxy color **54.9508, 0.2691, 0.3186** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7831, 0.3755, 0.3391**, and the grayscale version is **51.1141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **27.1432, 0.2586, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **51.8328, 0.2561, 0.3146**, and if you desaturate by 10%, it is **58.4627, 0.2832, 0.3224**.

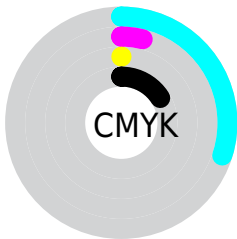
# Distribution



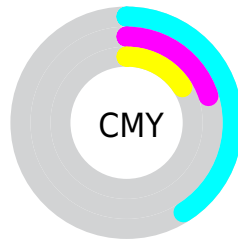
- Red (59%)
- Green (80%)
- Blue (84%)



- Red (59%)
- Yellow (70%)
- Blue (84%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)




- Cyan (41%)
- Magenta (20%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9508, 0.2691, 0.3186 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 54.9508, 0.2691, 0.3186 by changing the saturation by 10% instead.




 54.9508, 0.2691,  
0.3186


 54.9508, 0.2691,  
0.3186

405.7254, 0.2900,  
0.3240

 39.3623, 0.2641,  
0.3172

 97.4689, 0.2765,  
0.3206

 27.0417, 0.2579,  
0.3154


 125.1673, 0.2793,  
0.3213

 17.6046, 0.2499,  
0.3129


157.6711, 0.2818,  
0.3220

 10.6665, 0.2392,  
0.3095

195.3647, 0.2839,  
0.3225

 5.8430, 0.2241,  
0.3042

238.6326, 0.2857,  
0.3230

 2.7499, 0.2015,  
0.2954

287.8590, 0.2873,

 1.0026, 0.1575,

0.3233

0.2806

343.4285, 0.2887,  
0.3237

0.0000, 0.0000,  
0.0000

54.9508, 0.2691,  
0.3186

54.9508, 0.2691,  
0.3186

51.8328, 0.2561,  
0.3146

58.4627, 0.2832,  
0.3224

49.0822, 0.2446,  
0.3103

62.3804, 0.2980,  
0.3259

46.6791, 0.2347,  
0.3060

66.7235, 0.3133,  
0.3291

44.5991, 0.2266,  
0.3015

71.5081, 0.3289,  
0.3320

42.8147, 0.2204,  
0.2971

76.4718, 0.3433,  
0.3347

■ 41.2928, 0.2162,  
0.2926

■ 77.8876, 0.3429,  
0.3374

■ 39.9768, 0.2135,  
0.2882

■ 79.3264, 0.3425,  
0.3401

■ 39.9255, 0.2134,  
0.2881

■ 80.7882, 0.3420,  
0.3428

■ 82.2731, 0.3416,  
0.3454

# Harmonies

## Analogous

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



54.9508, 0.2827, 0.3418



54.9508, 0.2691, 0.3186



54.9508, 0.2667, 0.2996

# Triad

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



54.9508, 0.2691, 0.3186



54.9508, 0.3196, 0.2991



54.9508, 0.3499, 0.3695

# Complementary

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



54.9508, 0.2691, 0.3186



40.7831, 0.3755, 0.3391

# 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.



54.9508, 0.3608, 0.3561



54.9508, 0.2691, 0.3186



54.9508, 0.3430, 0.3160

# Square

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



54.9508, 0.2691, 0.3186



54.9508, 0.2951, 0.2894



54.9508, 0.3584, 0.3366



54.9508, 0.3291, 0.3721



# Rectangle

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



54.9508, 0.2691, 0.3186



54.9508, 0.2717, 0.2916



54.9508, 0.3584, 0.3366



54.9508, 0.3549, 0.3660

# Sweetspot

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



54.9530, 0.2691, 0.3186



94.0625, 0.2988, 0.3261



56.5148, 0.3041, 0.4045



19.9385, 0.2965, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

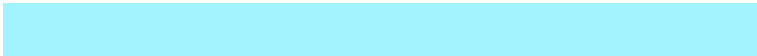


# Same Dimension

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



54.9530, 0.2691, 0.3186



79.3482, 0.2602, 0.3159



41.6047, 0.2645, 0.2769



13.8268, 0.2983, 0.3260



24.4921, 0.2135, 0.2887



1.5540, 0.2156, 0.2963



# Inverse Universe

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



40.3542, 0.3233, 0.2643



54.0187, 0.3263, 0.2496



52.6716, 0.3648, 0.3760



12.6044, 0.3157, 0.3089



10.8173, 0.3555, 0.1732

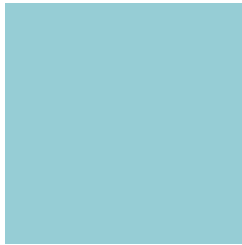


0.6602, 0.3487, 0.1695



# Previews

## White Background



This preview shows how the Yxy color 54.9508, 0.2691, 0.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

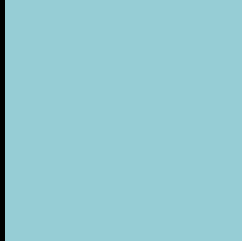
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9508, 0.2691, 0.3186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

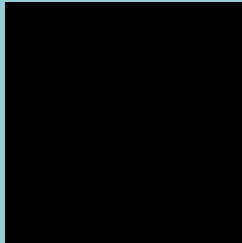
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

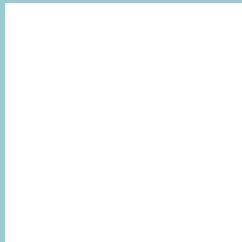
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9508, 0.2691, 0.3186**

## Background



This preview shows how black text looks on a background with the Yxy color 54.9508, 0.2691, 0.3186.



This preview shows how white text looks on a background with the Yxy color 54.9508, 0.2691, 0.3186.

# 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

54.9508, 0.2691, 0.3186

### Protanopia

54.6419, 0.3047, 0.3145

### Deuteranopia

54.6221, 0.3046, 0.2986



## Tritanopia

55.0284, 0.2662, 0.3086

# Trichromacy



## Original Color

54.9508, 0.2691, 0.3186

## Protanomaly

54.5753, 0.2906, 0.3153

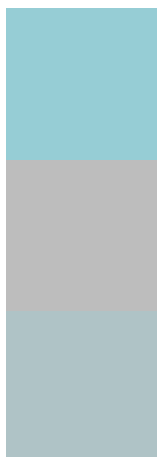
## Deuteranomaly

54.1269, 0.2901, 0.3046

## Tritanomaly

54.7748, 0.2673, 0.3123

# Monochromacy



## Original Color

54.9508, 0.2691, 0.3186

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

52.2214, 0.2950, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9508, 0.2691, 0.3186 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(150, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(150, 205, 213)  
}
```

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(150, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 205, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9508, 0.2691, 0.3186 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(150, 205, 213) }
```

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

```
.border{ border-color:rgb(150, 205, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(150, 205,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9508, 0.2691, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 205, 213) }
```

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

```
.background{ background-color: rgb(150,  
205, 213) }
```

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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