

# Converting Colors

$Yxy(53.8435, 0.2737, 0.3087)$

Have a look what the booklet for  
Yxy(53.8435, 0.2737, 0.3087)  
contains.

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# Color

**Yxy(53.8435, 0.2737, 0.3087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C8D8
RGB	161, 200, 216
RGB Percent	63%, 78%, 85%
CMY	0.3688, 0.2156, 0.1530
CMYK	0.25, 0.07, 0.00, 0.15
HSL	197°, 41%, 74%
HSV	197°, 25%, 85%
XYZ	47.7388, 53.8435, 72.8379
YIQ	190.1630, -28.3800, -3.2920

# Conversions

## Conversions Part 2

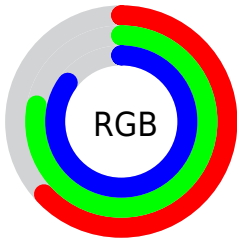
Format	Color
R <sub>YB</sub>	161, 184, 216
Decimal	10602712
CIE Lab	78.37, -9.32, -12.21
CIE LCh	78, 15.359, 232.640
Yxy	53.8435, 0.2737, 0.3087
Android (android.graphics.Color)	4288792792 (0xFFA1C8D8)
YUV	190.1630, 12.7376, -25.5760
Hunter-Lab	73.3781, -12.2821, -7.4888

# Details

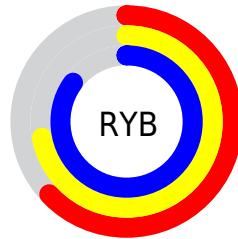
The Yxy color **53.8435, 0.2737, 0.3087** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.5870, 0.3618, 0.3484**, and the grayscale version is **51.5249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **26.3191, 0.2638, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **48.9474, 0.2590, 0.2994**, and if you desaturate by 10%, it is **59.2506, 0.2889, 0.3173**.

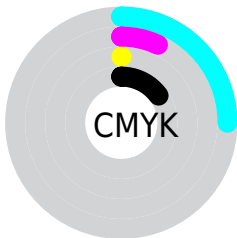
# Distribution



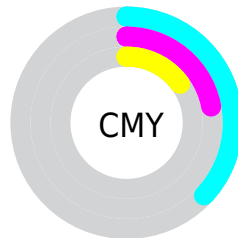
- Red (63%)
- Green (78%)
- Blue (85%)



- Red (63%)
- Yellow (72%)
- Blue (85%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)




- Cyan (37%)
- Magenta (22%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8435, 0.2737, 0.3087 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 53.8435, 0.2737, 0.3087 by changing the saturation by 10% instead.





 53.8435, 0.2737,  
0.3087


 53.8435, 0.2737,  
0.3087


401.5129, 0.2925,  
0.3188

 38.4766, 0.2692,  
0.3062


 95.8444, 0.2804,  
0.3124

 26.3528, 0.2636,  
0.3030


 123.2472, 0.2829,  
0.3137

 17.0877, 0.2563,  
0.2988


155.4307, 0.2851,  
0.3149

 10.2971, 0.2465,  
0.2929

192.7793, 0.2870,  
0.3159

 5.5964, 0.2327,  
0.2844

235.6775, 0.2886,  
0.3168

 2.6012, 0.2118,  
0.2709

284.5095, 0.2901,

 0.9273, 0.1742,

0.3175

0.2472

339.6599, 0.2913,  
0.3182

0.0000, 0.0000,  
0.0000

53.8435, 0.2737,  
0.3087

53.8435, 0.2737,  
0.3087

48.9474, 0.2590,  
0.2994

59.2506, 0.2889,  
0.3173

44.5345, 0.2451,  
0.2895

65.1822, 0.3043,  
0.3250

40.5838, 0.2325,  
0.2791

71.6590, 0.3196,  
0.3321

37.0699, 0.2213,  
0.2683

78.6987, 0.3346,  
0.3384

33.9643, 0.2120,  
0.2573

83.5755, 0.3392,  
0.3444

■ 31.2340, 0.2047,  
0.2463

■ 87.1562, 0.3383,  
0.3506

■ 28.8388, 0.1994,  
0.2354

■ 90.8640, 0.3374,  
0.3566

■ 27.8353, 0.1974,  
0.2305

■ 94.7001, 0.3364,  
0.3626

■ 97.7376, 0.3358,  
0.3671

# Harmonies

## Analogous

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



53.8435, 0.2787, 0.3261



53.8435, 0.2737, 0.3087



53.8435, 0.2787, 0.2975

# Triad

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



53.8435, 0.2737, 0.3087



53.8435, 0.3327, 0.3135



53.8435, 0.3322, 0.3652

# Complementary

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



53.8435, 0.2737, 0.3087



48.5870, 0.3618, 0.3484

# 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.



53.8435, 0.3475, 0.3603



53.8435, 0.2737, 0.3087



53.8435, 0.3479, 0.3303

# Square

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



53.8435, 0.2737, 0.3087



53.8435, 0.3123, 0.3007



53.8435, 0.3534, 0.3473



53.8435, 0.3121, 0.3598



# Rectangle

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



53.8435, 0.2737, 0.3087



53.8435, 0.2872, 0.2948



53.8435, 0.3534, 0.3473



53.8435, 0.3381, 0.3647

# Sweetspot

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



53.8457, 0.2737, 0.3087



92.6136, 0.3003, 0.3231



59.8375, 0.2995, 0.3802



19.5382, 0.2980, 0.3219



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

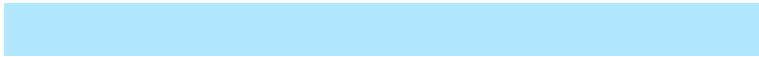


# Same Dimension

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



53.8457, 0.2737, 0.3087



74.1865, 0.2651, 0.3034



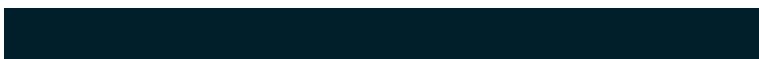
42.3705, 0.2705, 0.2728



13.4704, 0.2982, 0.3221



16.6705, 0.1978, 0.2322



1.1448, 0.2030, 0.2509



# Inverse Universe

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



44.2424, 0.3296, 0.2832



58.1202, 0.3344, 0.2725



60.3881, 0.3542, 0.3795



12.5684, 0.3182, 0.3126



10.0277, 0.4104, 0.2034

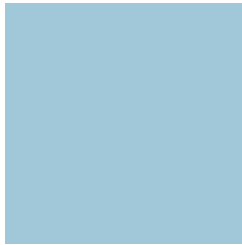


0.6189, 0.3913, 0.1929



# Previews

## White Background



This preview shows how the Yxy color 53.8435, 0.2737, 0.3087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

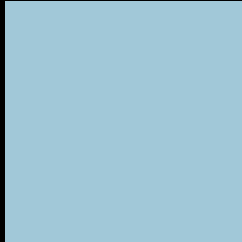
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8435, 0.2737, 0.3087 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 53.8435, 0.2737, 0.3087**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8435, 0.2737, 0.3087.



This preview shows how white text looks on a background with the Yxy color 53.8435, 0.2737, 0.3087.

# 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

53.8435, 0.2737, 0.3087

### Protanopia

53.6089, 0.2988, 0.3060

### Deuteranopia

53.3078, 0.3000, 0.2937



## Tritanopia

53.8435, 0.2737, 0.3087

# Trichromacy



## Original Color

53.8435, 0.2737, 0.3087

## Protanomaly

53.6581, 0.2892, 0.3068

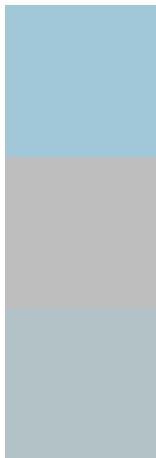
## Deuteranomaly

53.1481, 0.2901, 0.2987

## Tritanomaly

53.8435, 0.2737, 0.3087

# Monochromacy



## Original Color

53.8435, 0.2737, 0.3087

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.2908, 0.2974, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8435, 0.2737, 0.3087 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(161, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(161, 200, 216)  
}
```

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(161, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 200, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8435, 0.2737, 0.3087 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(161, 200, 216) }
```

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

```
.border{ border-color:rgb(161, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(161, 200,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8435, 0.2737, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 200, 216) }
```

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

```
.background{ background-color: rgb(161,  
200, 216) }
```

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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