

# Converting Colors

$Yxy(58.7309, 0.2738, 0.3148)$

Have a look what the booklet for  
Yxy(58.7309, 0.2738, 0.3148)  
contains.

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# Color

**Yxy(58.7139, 0.2737, 0.3141)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A4D1DD
RGB	164, 209, 221
RGB Percent	64%, 82%, 87%
CMY	0.3569, 0.1804, 0.1333
CMYK	0.26, 0.05, 0.00, 0.13
HSL	193°, 46%, 75%
HSV	193°, 26%, 87%
XYZ	51.1620, 58.7139, 77.0515
YIQ	196.9130, -30.6720, -5.8080

# Conversions

## Conversions Part 2

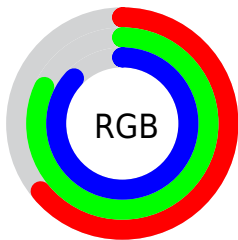
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 189, 221
Decimal	10801629
CIELab	81.13, -11.95, -10.75
CIELCh	81, 16.077, 221.980
Yxy	58.7139, 0.2737, 0.3141
Android (android.graphics.Color)	4288991709 (0xFFA4D1DD)
YUV	196.9130, 11.8749, -28.8647
Hunter-Lab	76.6250, -14.9104, -5.9825

# Details

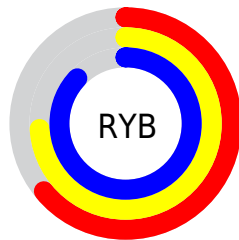
The Yxy color **58.7139, 0.2737, 0.3141** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.1083, 0.3640, 0.3434**, and the grayscale version is **55.7218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **29.5754, 0.2643, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **54.3143, 0.2596, 0.3074**, and if you desaturate by 10%, it is **63.5936, 0.2885, 0.3203**.

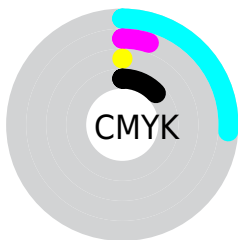
# Distribution



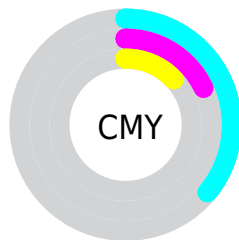
- Red (64%)
- Green (82%)
- Blue (87%)



- Red (64%)
- Yellow (74%)
- Blue (87%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)




- Cyan (36%)
- Magenta (18%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7139, 0.2737, 0.3141 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 58.7139, 0.2737, 0.3141 by changing the saturation by 10% instead.




 58.7139, 0.2737,  
0.3141

 58.7139, 0.2737,  
0.3141

419.8409, 0.2922,  
0.3215

 42.3829, 0.2694,  
0.3123


 102.9617, 0.2802,  
0.3168

 29.4012, 0.2639,  
0.3099

 131.6473, 0.2827,  
0.3178

 19.3845, 0.2570,  
0.3069


165.2199, 0.2849,  
0.3187

 11.9485, 0.2478,  
0.3026

204.0638, 0.2867,  
0.3194

 6.7086, 0.2349,  
0.2965

248.5634, 0.2884,  
0.3200

 3.2805, 0.2159,  
0.2867

299.1032, 0.2898,

 1.2799, 0.1852,

0.3206

0.2693

356.0676, 0.2911,  
0.3211

0.1255, 0.0000,  
0.1238

0.0000, 0.0000,  
0.0000

58.7139, 0.2737,  
0.3141

58.7139, 0.2737,  
0.3141

54.3143, 0.2596,  
0.3074

63.5936, 0.2885,  
0.3203

50.3661, 0.2466,  
0.3004

68.9664, 0.3038,  
0.3260

46.8479, 0.2350,  
0.2930

74.8536, 0.3192,  
0.3311

43.7337, 0.2251,  
0.2853

81.2730, 0.3345,  
0.3357

■ 40.9942, 0.2170,  
0.2776

■ 84.3527, 0.3357,  
0.3403

■ 38.5953, 0.2109,  
0.2698

■ 87.0127, 0.3351,  
0.3448

■ 36.4951, 0.2067,  
0.2621

■ 89.7427, 0.3345,  
0.3494

■ 35.6710, 0.2053,  
0.2589

■ 92.5432, 0.3339,  
0.3538

■ 95.4148, 0.3333,  
0.3583

# Harmonies

## Analogous

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



58.7139, 0.2822, 0.3330



58.7139, 0.2737, 0.3141



58.7139, 0.2752, 0.3001

# Triad

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



58.7139, 0.2737, 0.3141



58.7139, 0.3260, 0.3080



58.7139, 0.3389, 0.3652

# Complementary

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



58.7139, 0.2737, 0.3141



49.1083, 0.3640, 0.3434

# 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.



58.7139, 0.3515, 0.3569



58.7139, 0.2737, 0.3141



58.7139, 0.3439, 0.3240

# Square

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



58.7139, 0.2737, 0.3141



58.7139, 0.3048, 0.2972



58.7139, 0.3534, 0.3417



58.7139, 0.3195, 0.3635



# Rectangle

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



58.7139, 0.2737, 0.3141



58.7139, 0.2817, 0.2952



58.7139, 0.3534, 0.3417



58.7139, 0.3441, 0.3635

# Sweetspot

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



58.7163, 0.2737, 0.3141



93.6231, 0.3003, 0.3247



62.7233, 0.3022, 0.3873



19.7936, 0.2980, 0.3239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

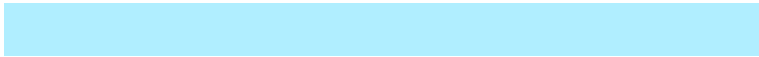


# Same Dimension

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



58.7163, 0.2737, 0.3141



77.7967, 0.2659, 0.3105



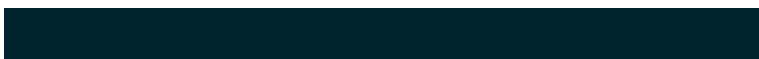
46.2030, 0.2704, 0.2782



14.3396, 0.2982, 0.3240



20.8884, 0.2056, 0.2601



1.4723, 0.2091, 0.2726



# Inverse Universe

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



46.5281, 0.3259, 0.2777



58.4846, 0.3293, 0.2666



61.1970, 0.3561, 0.3751



13.2254, 0.3170, 0.3107



10.7325, 0.3823, 0.1880

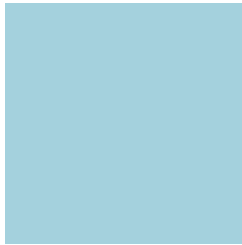


0.7073, 0.3703, 0.1814



# Previews

## White Background



This preview shows how the Yxy color 58.7139, 0.2737, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

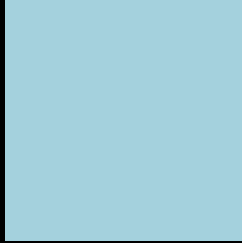
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7139, 0.2737, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

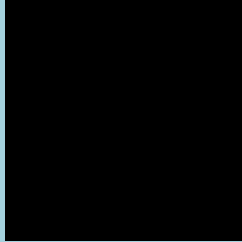
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

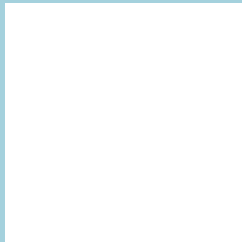
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.7139, 0.2737, 0.3141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7139, 0.2737, 0.3141.



This preview shows how white text looks on a background with the Yxy color 58.7139, 0.2737, 0.3141.

# 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

58.7139, 0.2737, 0.3141

### Protanopia

58.4942, 0.3021, 0.3114

### Deuteranopia

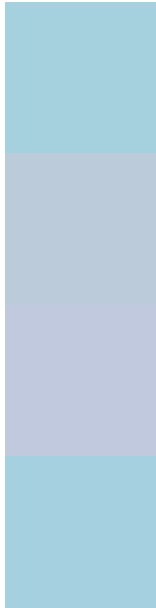
58.5633, 0.3034, 0.2973



## Tritanopia

58.5473, 0.2719, 0.3081

# Trichromacy



## Original Color

58.7139, 0.2737, 0.3141

## Protanomaly

58.2864, 0.2913, 0.3122

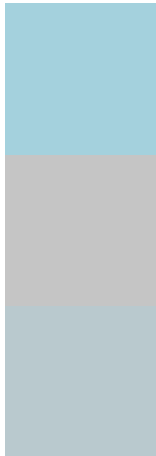
## Deuteranomaly

58.4385, 0.2915, 0.3032

## Tritanomaly

58.4929, 0.2725, 0.3093

# Monochromacy



## Original Color

58.7139, 0.2737, 0.3141

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.5438, 0.2971, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7139, 0.2737, 0.3141 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(164, 209, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 209, 221)  
}
```

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(164, 209, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 209, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7139, 0.2737, 0.3141 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(164, 209, 221) }
```

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

```
.border{ border-color:rgb(164, 209, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 209, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 209, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 209, 221); box-shadow:4px 4px 4px 4px rgb(164, 209, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7139, 0.2737, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 209, 221) }
```

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

```
.background{ background-color: rgb(164,  
209, 221) }
```

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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