

# Converting Colors

$Yxy(57.1674, 0.2623, 0.3398)$

Have a look what the booklet for  
Yxy(57.1674, 0.2623, 0.3398)  
contains.

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# Color

**Yxy(57.1386, 0.2619, 0.3395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D6CE
RGB	128, 214, 206
RGB Percent	50%, 84%, 81%
CMY	0.4983, 0.1607, 0.1922
CMYK	0.40, 0.00, 0.04, 0.16
HSL	174°, 51%, 67%
HSV	174°, 40%, 84%
XYZ	44.0783, 57.1386, 67.0853
YIQ	187.3740, -48.6880, -20.7200

# Conversions

## Conversions Part 2

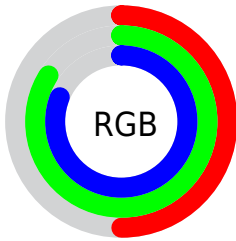
Format	Color
<a href="#">RYB</a>	<a href="#">128, 173, 214</a>
Decimal	<a href="#">8443598</a>
CIELab	<a href="#">80.26, -27.88, -4.22</a>
CIElCh	<a href="#">80, 28.202, 188.612</a>
Yxy	<a href="#">57.1386, 0.2619, 0.3395</a>
Android (android.graphics.Color)	<a href="#">4286633678 (0xFF80D6CE)</a>
YUV	<a href="#">187.3740, 9.1826, -52.0710</a>
Hunter-Lab	<a href="#">75.5901, -28.1951, 0.2939</a>

# Details

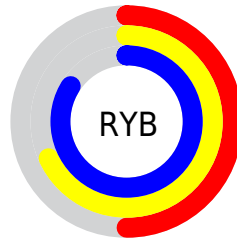
The Yxy color **57.1386, 0.2619, 0.3395** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4937, 0.4044, 0.3193**, and the grayscale version is **49.8748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **28.4410, 0.2490, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **55.5574, 0.2525, 0.3425**, and if you desaturate by 10%, it is **59.0755, 0.2729, 0.3366**.

# Distribution



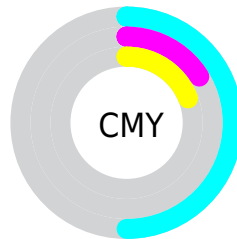
- Red (50%)
- Green (84%)
- Blue (81%)



- Red (50%)
- Yellow (68%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (50%)
- Magenta (16%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1386, 0.2619, 0.3395 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 57.1386, 0.2619, 0.3395 by changing the saturation by 10% instead.




 57.1386, 0.2619,  
0.3395


 57.1386, 0.2619,  
0.3395


413.9685, 0.2862,  
0.3348

 41.1165, 0.2562,  
0.3405


 100.6674, 0.2705,  
0.3379

 28.4101, 0.2490,  
0.3418


 128.9429, 0.2738,  
0.3372

 18.6351, 0.2398,  
0.3434


 162.0717, 0.2766,  
0.3367

 11.4069, 0.2275,  
0.3453

200.4381, 0.2790,  
0.3362

 6.3412, 0.2103,  
0.3477

244.4266, 0.2811,  
0.3358

 3.0536, 0.1848,  
0.3507

294.4216, 0.2830,

 1.1598, 0.1242,

0.3354

0.3615

350.8074, 0.2847,  
0.3351

0.0285, 0.0000,  
0.0803

0.0000, 0.0000,  
0.0000

57.1386, 0.2619,  
0.3395

57.1386, 0.2619,  
0.3395

55.5574, 0.2525,  
0.3425

59.0755, 0.2729,  
0.3366

54.3028, 0.2449,  
0.3457


61.3816, 0.2851,  
0.3339


53.3524, 0.2391,  
0.3489


64.0778, 0.2984,  
0.3314

52.6780, 0.2353,  
0.3521

67.1815, 0.3124,  
0.3291

 52.2459, 0.2334,  
0.3553

 70.7093, 0.3268,  
0.3270

 51.9991, 0.2329,  
0.3583

 74.4226, 0.3405,  
0.3251

 74.5278, 0.3390,  
0.3231

 74.6343, 0.3376,  
0.3211

 74.7420, 0.3361,  
0.3191

# Harmonies

## Analogous

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



57.1386, 0.2915, 0.3732



57.1386, 0.2619, 0.3395



57.1386, 0.2460, 0.3049

# Triad

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



57.1386, 0.2619, 0.3395



57.1386, 0.2942, 0.2733



57.1386, 0.3828, 0.3742

# Complementary

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



57.1386, 0.2619, 0.3395



31.4937, 0.4044, 0.3193

# 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.



57.1386, 0.3844, 0.3463



57.1386, 0.2619, 0.3395



57.1386, 0.3315, 0.2901

# Square

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



57.1386, 0.2619, 0.3395



57.1386, 0.2638, 0.2692



57.1386, 0.3652, 0.3161



57.1386, 0.3616, 0.3923



# Rectangle

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



57.1386, 0.2619, 0.3395



57.1386, 0.2446, 0.2867



57.1386, 0.3652, 0.3161



57.1386, 0.3857, 0.3656

# Sweetspot

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



57.1409, 0.2619, 0.3395



94.4687, 0.2958, 0.3318



54.9378, 0.3127, 0.4499



20.1029, 0.2940, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

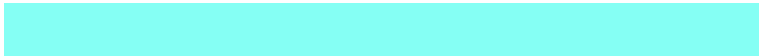


# Same Dimension

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



57.1409, 0.2619, 0.3395



82.9799, 0.2540, 0.3420



41.9125, 0.2502, 0.2814



14.0870, 0.2995, 0.3312



31.4324, 0.2327, 0.3579



1.9018, 0.2312, 0.3524



# Inverse Universe

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



31.4937, 0.4044, 0.3193



39.9401, 0.4342, 0.3175



41.8235, 0.3964, 0.3716



12.4394, 0.3277, 0.3269



8.6783, 0.6287, 0.3237

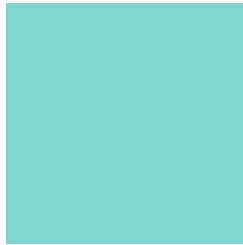


0.5301, 0.5981, 0.3069



# Previews

## White Background



This preview shows how the Yxy color 57.1386, 0.2619, 0.3395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

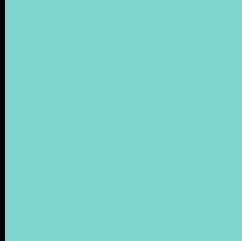
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1386, 0.2619, 0.3395 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

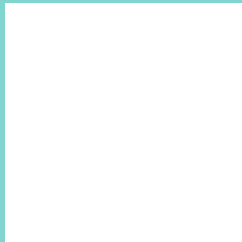
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1386, 0.2619, 0.3395**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1386, 0.2619, 0.3395.

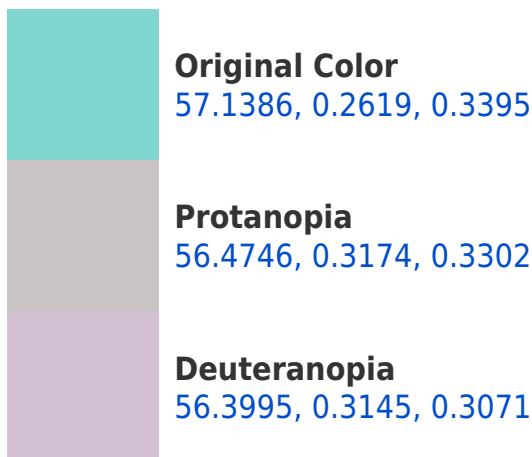


This preview shows how white text looks on a background with the Yxy color 57.1386, 0.2619, 0.3395.

# 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

57.2583, 0.2529, 0.3073

# Trichromacy



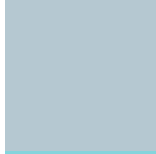
## Original Color

57.1386, 0.2619, 0.3395



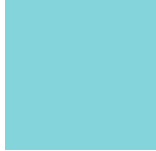
## Protanomaly

55.9960, 0.2939, 0.3327



## Deuteranomaly

55.7358, 0.2921, 0.3179



## Tritanomaly

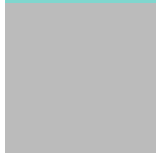
57.1598, 0.2562, 0.3185

# Monochromacy



## Original Color

57.1386, 0.2619, 0.3395



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.9345, 0.2912, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.1386, 0.2619, 0.3395 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(128, 214, 206)` looks like.

```
.text, #text, p{  
  color:rgb(128, 214, 206)  
}
```

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(128, 214, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 214, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1386, 0.2619, 0.3395 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(128, 214, 206) }
```

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

```
.border{ border-color:rgb(128, 214, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 214, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 214, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 214, 206);  
box-shadow:4px 4px 4px 4px rgb(128, 214,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1386, 0.2619, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 214, 206) }
```

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

```
.background{ background-color: rgb(128,  
214, 206) }
```

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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