

# Converting Colors

$Yxy(57.3436, 0.2831, 0.3900)$

Have a look what the booklet for  
Yxy(57.3436, 0.2831, 0.3900)  
contains.

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# Color

**Yxy(57.4296, 0.2832, 0.3908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83D9AC
RGB	131, 217, 172
RGB Percent	51%, 85%, 67%
CMY	0.4863, 0.1490, 0.3256
CMYK	0.40, 0.00, 0.21, 0.15
HSL	149°, 53%, 68%
HSV	149°, 40%, 85%
XYZ	41.6174, 57.4296, 47.9070
YIQ	186.1560, -36.8110, -32.2270

# Conversions

## Conversions Part 2

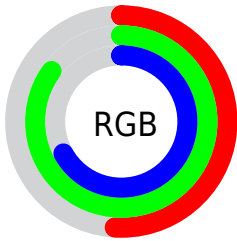
Format	Color
<a href="#">RYB</a>	<a href="#">131, 189, 217</a>
Decimal	<a href="#">8640940</a>
CIELab	<a href="#">80.42, -35.93, 14.13</a>
CIELCh	<a href="#">80, 38.605, 158.537</a>
Yxy	<a href="#">57.4296, 0.2832, 0.3908</a>
Android (android.graphics.Color)	<a href="#">4286831020</a> <a href="#">(0xFF83D9AC)</a>
YUV	<a href="#">186.1560, -6.9789, -48.3718</a>
Hunter-Lab	<a href="#">75.7823, -34.5923, 15.5665</a>

# Details

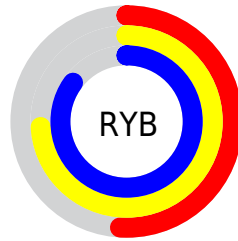
The Yxy color **57.4296, 0.2832, 0.3908** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.1223, 0.3594, 0.2751**, and the grayscale version is **49.2505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6308, 0.2878, 0.3597**, and **28.7332, 0.2743, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **55.4588, 0.2776, 0.4100**, and if you desaturate by 10%, it is **59.8053, 0.2898, 0.3729**.

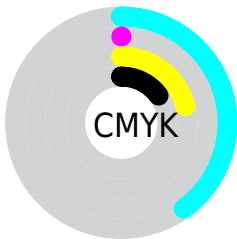
# Distribution



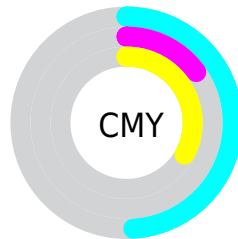
- Red (51%)
- Green (85%)
- Blue (67%)



- Red (51%)
- Yellow (74%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)




- Cyan (49%)
- Magenta (15%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4296, 0.2832, 0.3908 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 57.4296, 0.2832, 0.3908 by changing the saturation by 10% instead.




 57.4296, 0.2832,  
0.3908

 57.4296, 0.2832,  
0.3908

415.0571, 0.2980,  
0.3597

 41.3503, 0.2795,  
0.3986

 101.0918, 0.2886,  
0.3795

 28.5929, 0.2747,  
0.4087

 129.4434, 0.2906,  
0.3752

 18.7730, 0.2683,  
0.4221


 162.6545, 0.2923,  
0.3716

 11.5064, 0.2594,  
0.4408

201.1096, 0.2938,  
0.3686

 6.4085, 0.2461,  
0.4688

245.1930, 0.2951,  
0.3659

 3.0951, 0.2243,  
0.5147

295.2891, 0.2962,

 1.1816, 0.1314,

0.3636

0.7077

351.7824, 0.2972,  
0.3615

0.0466, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.4296, 0.2832,  
0.3908

57.4296, 0.2832,  
0.3908

55.4588, 0.2776,  
0.4100

59.8053, 0.2898,  
0.3729

53.8620, 0.2734,  
0.4301

62.6006, 0.2972,  
0.3566

52.6153, 0.2710,  
0.4507

65.8380, 0.3050,  
0.3418

51.6886, 0.2704,  
0.4713

69.5363, 0.3130,  
0.3285

■ 51.0466, 0.2719,  
0.4911

■ 73.7132, 0.3210,  
0.3168

■ 50.6293, 0.2750,  
0.5098

■ 77.1891, 0.3244,  
0.3061

■ 50.6157, 0.2751,  
0.5104

■ 77.8863, 0.3168,  
0.2953

■ 78.1088, 0.3145,  
0.2920

# Harmonies

## Analogous

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



57.4296, 0.3323, 0.4181



57.4296, 0.2832, 0.3908



57.4296, 0.2440, 0.3428

# Triad

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



57.4296, 0.2832, 0.3908



57.4296, 0.2467, 0.2491



57.4296, 0.4110, 0.3503

# Complementary

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



57.4296, 0.2832, 0.3908



34.1223, 0.3594, 0.2751

# 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.



57.4296, 0.3845, 0.3108



57.4296, 0.2832, 0.3908



57.4296, 0.2869, 0.2550

# Square

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



57.4296, 0.2832, 0.3908



57.4296, 0.2246, 0.2621



57.4296, 0.3377, 0.2770



57.4296, 0.4080, 0.3883



# Rectangle

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



57.4296, 0.2832, 0.3908



57.4296, 0.2280, 0.3097



57.4296, 0.3377, 0.2770



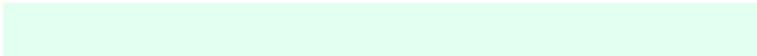
57.4296, 0.4052, 0.3369

# Sweetspot

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



57.4320, 0.2832, 0.3908



93.6619, 0.3030, 0.3453



60.5997, 0.3399, 0.4382



19.9125, 0.3020, 0.3472



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

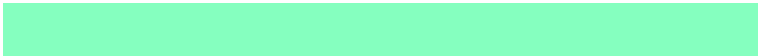


# Same Dimension

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



57.4320, 0.2832, 0.3908



80.2316, 0.2782, 0.4076



59.3166, 0.2597, 0.3326



14.7090, 0.3052, 0.3415



30.6592, 0.2744, 0.5078



2.0036, 0.2658, 0.4770



# Inverse Universe

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



34.1223, 0.3594, 0.2751



41.9428, 0.3746, 0.2635



32.7039, 0.4087, 0.3258



13.1649, 0.3210, 0.3168



9.6817, 0.4850, 0.2445



0.6446, 0.4510, 0.2258



# Previews

## White Background



This preview shows how the Yxy color 57.4296, 0.2832, 0.3908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

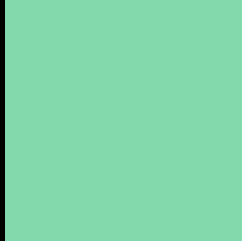
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.4296, 0.2832, 0.3908 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

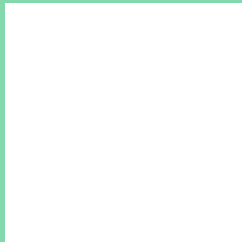
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.4296, 0.2832, 0.3908**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.4296, 0.2832, 0.3908.



This preview shows how white text looks on a background with the Yxy color 57.4296, 0.2832, 0.3908.

# 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

57.4296, 0.2832, 0.3908

### Protanopia

56.7341, 0.3491, 0.3710

### Deuteranopia

56.4435, 0.3524, 0.3452



## Tritanopia

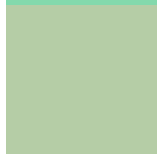
57.5135, 0.2591, 0.3087

# Trichromacy



## Original Color

57.4296, 0.2832, 0.3908



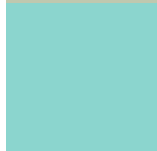
## Protanomaly

56.2396, 0.3219, 0.3789



## Deuteranomaly

55.4801, 0.3239, 0.3603



## Tritanomaly

57.5337, 0.2678, 0.3380

# Monochromacy



## Original Color

57.4296, 0.2832, 0.3908



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.3757, 0.3001, 0.3502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.4296, 0.2832, 0.3908 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(131, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(131, 217, 172)  
}
```

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(131, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 217, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 57.4296, 0.2832, 0.3908 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(131, 217, 172) }
```

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

```
.border{ border-color:rgb(131, 217, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 217, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 217, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 217, 172);  
box-shadow:4px 4px 4px 4px rgb(131, 217,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.4296, 0.2832, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 217, 172) }
```

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

```
.background{ background-color: rgb(131,  
217, 172) }
```

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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