

Converting Colors

$Yxy(56.8965, 0.2832, 0.3959)$

Have a look what the booklet for
Yxy(56.8965, 0.2832, 0.3959)
contains.

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Color

Yxy(57.0421, 0.2837, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	80D9A8
RGB	128, 217, 168
RGB Percent	50%, 85%, 66%
CMY	0.4984, 0.1490, 0.3412
CMYK	0.41, 0.00, 0.23, 0.15
HSL	147°, 54%, 68%
HSV	147°, 41%, 85%
XYZ	40.7731, 57.0421, 45.9039
YIQ	184.8030, -37.3150, -34.1070

Conversions

Conversions Part 2

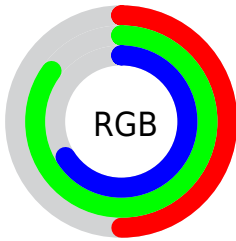
Format	Color
RYB	128, 189, 217
Decimal	8444328
CIELab	80.20, -37.58, 15.90
CIELCh	80, 40.802, 157.063
Yxy	57.0421, 0.2837, 0.3969
Android (android.graphics.Color)	4286634408 (0xFF80D9A8)
YUV	184.8030, -8.2839, -49.8162
Hunter-Lab	75.5262, -35.8070, 16.8327

Details

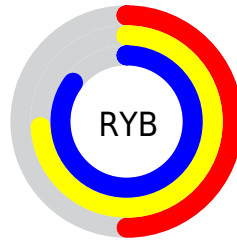
The Yxy color **57.0421, 0.2837, 0.3969** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.3435, 0.3590, 0.2705**, and the grayscale version is **48.4538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0381, 0.2882, 0.3644**, and **28.5181, 0.2753, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **55.1142, 0.2786, 0.4173**, and if you desaturate by 10%, it is **59.3753, 0.2899, 0.3779**.

Distribution



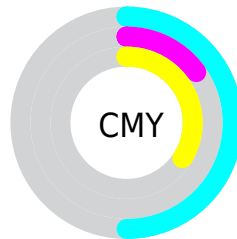
- Red (50%)
- Green (85%)
- Blue (66%)



- Red (50%)
- Yellow (74%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (23%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0421, 0.2837, 0.3969 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 57.0421, 0.2837, 0.3969 by changing the saturation by 10% instead.

 57.0421, 0.2837,
0.3969


 57.0421, 0.2837,
0.3969


413.6070, 0.2984,
0.3626


 41.0390, 0.2800,
0.4056


 100.5266, 0.2891,
0.3843

 28.3496, 0.2751,
0.4167


 128.7769, 0.2911,
0.3797

 18.5894, 0.2686,
0.4317


 161.8783, 0.2928,
0.3757

 11.3739, 0.2595,
0.4527

200.2153, 0.2943,
0.3723

 6.3189, 0.2457,
0.4841

244.1723, 0.2955,
0.3694

 3.0400, 0.2228,
0.5357

294.1336, 0.2966,

 1.1526, 0.1095,

0.3668

0.8077

350.4838, 0.2976,
0.3646

0.0225, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

57.0421, 0.2837,
0.3969

57.0421, 0.2837,
0.3969

55.1142, 0.2786,
0.4173

59.3753, 0.2899,
0.3779

53.5604, 0.2748,
0.4386


62.1290, 0.2969,
0.3604


52.3559, 0.2728,
0.4603


65.3260, 0.3043,
0.3445


51.4700, 0.2727,
0.4817


68.9854, 0.3119,
0.3304


 50.8661, 0.2746,
0.5021

 73.1253, 0.3195,
0.3179

 50.5091, 0.2775,
0.5191

 77.1643, 0.3248,
0.3066

 77.8960, 0.3167,
0.2952

 78.1145, 0.3144,
0.2920

Harmonies

Analogous

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



57.0421, 0.3358, 0.4244



57.0421, 0.2837, 0.3969



57.0421, 0.2417, 0.3461

Triad

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



57.0421, 0.2837, 0.3969



57.0421, 0.2414, 0.2450



57.0421, 0.4162, 0.3490

Complementary

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



57.0421, 0.2837, 0.3969



33.3435, 0.3590, 0.2705

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.



57.0421, 0.3868, 0.3077



57.0421, 0.2837, 0.3969



57.0421, 0.2829, 0.2504

Square

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



57.0421, 0.2837, 0.3969



57.0421, 0.2193, 0.2594



57.0421, 0.3363, 0.2728



57.0421, 0.4144, 0.3894

Rectangle

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



57.0421, 0.2837, 0.3969



57.0421, 0.2243, 0.3107



57.0421, 0.3363, 0.2728



57.0421, 0.4096, 0.3350

Sweetspot

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



57.0444, 0.2837, 0.3969



93.6140, 0.3035, 0.3461



60.7042, 0.3430, 0.4415



19.9012, 0.3025, 0.3481



0.0000, 0.0000, 0.0000



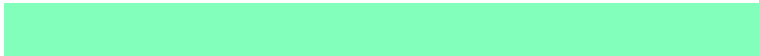
21.4041, 0.3127, 0.3290

Same Dimension

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



57.0444, 0.2837, 0.3969



79.8257, 0.2793, 0.4139



58.9245, 0.2598, 0.3366



14.7031, 0.3055, 0.3421



30.5908, 0.2768, 0.5164



1.9990, 0.2680, 0.4847

Inverse Universe

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



33.3435, 0.3590, 0.2705



41.3527, 0.3728, 0.2591



31.8889, 0.4102, 0.3220



13.1708, 0.3206, 0.3162



9.7635, 0.4738, 0.2384



0.6498, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 57.0421, 0.2837, 0.3969 looks on a white background.

Color Contrast Check

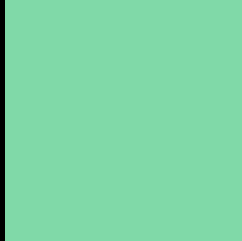
Large Text (above 18pt) WCAG AA × Fail

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 57.0421, 0.2837, 0.3969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

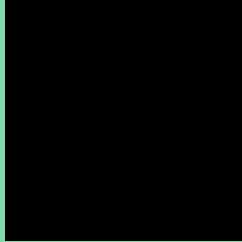
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.0421, 0.2837, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 57.0421, 0.2837, 0.3969.

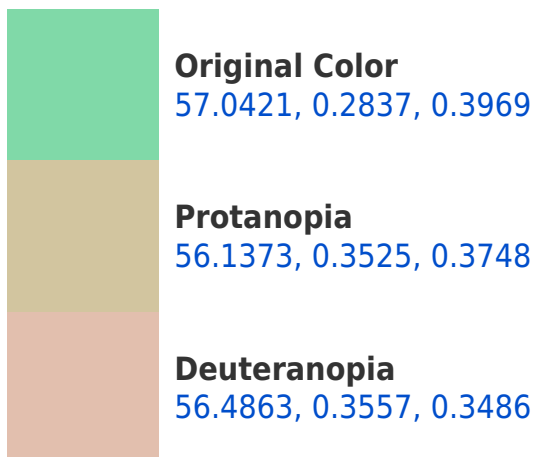


This preview shows how white text looks on a background with the Yxy color 57.0421, 0.2837, 0.3969.

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

56.7546, 0.2573, 0.3073

Trichromacy



Original Color

57.0421, 0.2837, 0.3969



Protanomaly

55.4977, 0.3240, 0.3831



Deuteranomaly

55.2343, 0.3253, 0.3642



Tritanomaly

56.7290, 0.2665, 0.3381

Monochromacy



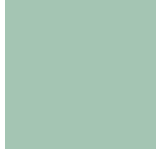
Original Color

57.0421, 0.2837, 0.3969



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.0797, 0.3000, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0421, 0.2837, 0.3969 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, 217, 168)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 168)  
}
```

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, 217, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 168) }
```

Border

The CSS property to change the border of an element to Yxy 57.0421, 0.2837, 0.3969 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, 217, 168) }
```

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

```
.border{ border-color:rgb(128, 217, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 217, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 168);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0421, 0.2837, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 168) }
```

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

```
.background{ background-color: rgb(128,  
217, 168) }
```

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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