

Converting Colors

Yxy(63.0349, 0.2837, 0.4080)

Have a look what the booklet for
Yxy(63.0349, 0.2837, 0.4080)
contains.

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Color

Yxy(62.8634, 0.2837, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	7FE4A9
RGB	127, 228, 169
RGB Percent	50%, 89%, 66%
CMY	0.5019, 0.1059, 0.3373
CMYK	0.44, 0.00, 0.26, 0.11
HSL	145°, 65%, 70%
HSV	145°, 44%, 89%
XYZ	43.6581, 62.8634, 47.3668
YIQ	191.0750, -41.2570, -39.7610

Conversions

Conversions Part 2

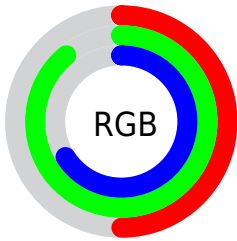
Format	Color
RYB	127, 198, 228
Decimal	8381609
CIELab	83.37, -42.54, 19.79
CIELCh	83, 46.912, 155.054
Yxy	62.8634, 0.2837, 0.4085
Android (android.graphics.Color)	4286571689 (0xFF7FE4A9)
YUV	191.0750, -10.8830, -56.1938
Hunter-Lab	79.2864, -40.4624, 20.0798

Details

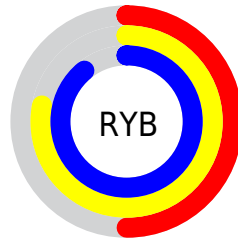
The Yxy color **62.8634, 0.2837, 0.4085** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.2226, 0.3605, 0.2621**, and the grayscale version is **52.2311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0922, 0.2877, 0.3632**, and **32.0915, 0.2749, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **60.8336, 0.2793, 0.4307**, and if you desaturate by 10%, it is **65.3454, 0.2893, 0.3876**.

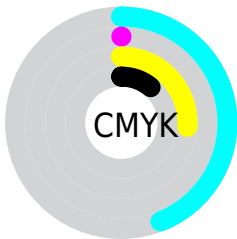
Distribution



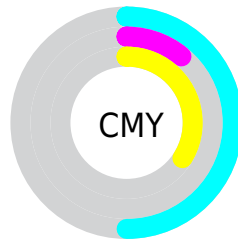
- Red (50%)
- Green (89%)
- Blue (66%)



- Red (50%)
- Yellow (78%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8634, 0.2837, 0.4085 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 62.8634, 0.2837, 0.4085 by changing the saturation by 10% instead.


 62.8634, 0.2837,
0.4085

 62.8634, 0.2837,
0.4085

435.0736, 0.2985,
0.3687

 45.7307, 0.2800,
0.4184

 108.9724, 0.2891,
0.3941

 32.0334, 0.2751,
0.4311


 138.7175, 0.2911,
0.3886

 21.3870, 0.2686,
0.4479


 173.4356, 0.2928,
0.3840

 13.4072, 0.2596,
0.4711

213.5109, 0.2943,
0.3801

 7.7095, 0.2460,
0.5052

259.3280, 0.2956,
0.3767

 3.9096, 0.2238,
0.5595

311.2712, 0.2966,

 1.6231, 0.1660,

0.3737

0.7311

369.7250, 0.2976,
0.3711

0.3731, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8634, 0.2837,
0.4085

62.8634, 0.2837,
0.4085

60.8336, 0.2793,
0.4307

65.3454, 0.2893,
0.3876

59.2197, 0.2764,
0.4536


68.2979, 0.2956,
0.3683


57.9923, 0.2752,
0.4766


71.7474, 0.3025,
0.3509

57.1144, 0.2760,
0.4988

75.7161, 0.3096,
0.3352

 56.5412, 0.2786,
0.5194

 80.2250, 0.3168,
0.3213

 56.3108, 0.2806,
0.5303

 83.5834, 0.3178,
0.3086

 83.9685, 0.3139,
0.3029

Harmonies

Analogous

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



62.8634, 0.3415, 0.4366



62.8634, 0.2837, 0.4085



62.8634, 0.2365, 0.3519

Triad

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



62.8634, 0.2837, 0.4085



62.8634, 0.2316, 0.2368



62.8634, 0.4268, 0.3471

Complementary

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



62.8634, 0.2837, 0.4085



35.2226, 0.3605, 0.2621

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.



62.8634, 0.3919, 0.3022



62.8634, 0.2837, 0.4085



62.8634, 0.2758, 0.2416

Square

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



62.8634, 0.2837, 0.4085



62.8634, 0.2092, 0.2536



62.8634, 0.3346, 0.2650



62.8634, 0.4267, 0.3920

Rectangle

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



62.8634, 0.2837, 0.4085



62.8634, 0.2166, 0.3117



62.8634, 0.3346, 0.2650



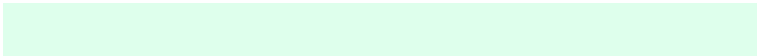
62.8634, 0.4187, 0.3317

Sweetspot

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



62.8660, 0.2837, 0.4085



93.0606, 0.3034, 0.3489



67.6626, 0.3475, 0.4503



19.6914, 0.3018, 0.3525



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.



62.8660, 0.2837, 0.4085



78.6384, 0.2797, 0.4285



65.0584, 0.2581, 0.3416



16.1881, 0.3059, 0.3431



32.5374, 0.2799, 0.5275



2.4225, 0.2718, 0.4984

Inverse Universe

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



35.2226, 0.3605, 0.2621



38.7718, 0.3748, 0.2496



33.4860, 0.4183, 0.3176



14.5085, 0.3201, 0.3154



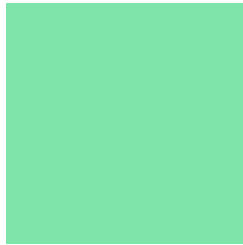
10.5297, 0.4601, 0.2308



0.7965, 0.4342, 0.2166

Previews

White Background



This preview shows how the Yxy color 62.8634, 0.2837, 0.4085 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 62.8634, 0.2837, 0.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

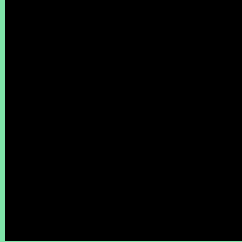
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8634, 0.2837, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 62.8634, 0.2837, 0.4085.

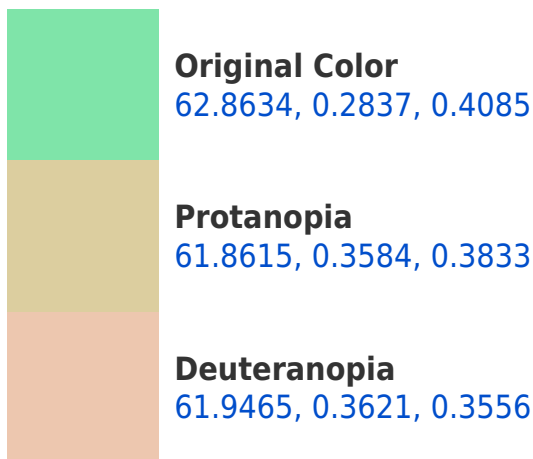


This preview shows how white text looks on a background with the Yxy color 62.8634, 0.2837, 0.4085.

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

62.6171, 0.2546, 0.3069

Trichromacy



Original Color

62.8634, 0.2837, 0.4085



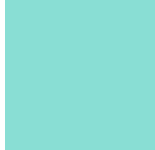
Protanomaly

61.1766, 0.3266, 0.3925



Deuteranomaly

60.9806, 0.3288, 0.3739



Tritanomaly

62.3144, 0.2649, 0.3416

Monochromacy



Original Color

62.8634, 0.2837, 0.4085



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.9295, 0.3002, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8634, 0.2837, 0.4085 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(127, 228, 169)` looks like.

```
.text, #text, p{  
    color:rgb(127, 228, 169)  
}
```

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(127, 228, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 228, 169) }
```

Border

The CSS property to change the border of an element to Yxy 62.8634, 0.2837, 0.4085 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(127, 228, 169) }
```

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

```
.border{ border-color:rgb(127, 228, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 228, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 228, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 228, 169);  
box-shadow:4px 4px 4px 4px rgb(127, 228,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8634, 0.2837, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 228, 169) }
```

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

```
.background{ background-color: rgb(127,  
228, 169) }
```

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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