

Converting Colors

$Yxy(61.0964, 0.2871, 0.3999)$

Have a look what the booklet for
Yxy(61.0964, 0.2871, 0.3999)
contains.

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Color

Yxy(60.8665, 0.2866, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	87DFAB
RGB	135, 223, 171
RGB Percent	53%, 87%, 67%
CMY	0.4706, 0.1255, 0.3293
CMYK	0.39, 0.00, 0.23, 0.13
HSL	145°, 58%, 70%
HSV	145°, 39%, 87%
XYZ	43.7311, 60.8665, 47.9883
YIQ	190.7600, -35.7560, -34.8280

Conversions

Conversions Part 2

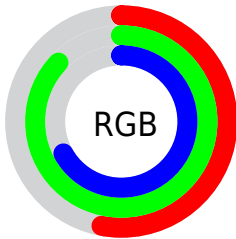
Format	Color
RYB	135, 197, 223
Decimal	8904619
CIELab	82.31, -37.74, 17.29
CIELCh	82, 41.510, 155.381
Yxy	60.8665, 0.2866, 0.3989
Android (android.graphics.Color)	4287094699 (0xFF87DFAB)
YUV	190.7600, -9.7417, -48.9015
Hunter-Lab	78.0170, -36.4746, 18.1426

Details

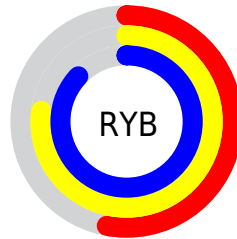
The Yxy color **60.8665, 0.2866, 0.3989** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.5997, 0.3529, 0.2688**, and the grayscale version is **52.0282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0874, 0.2905, 0.3606**, and **30.6748, 0.2786, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **58.7316, 0.2816, 0.4207**, and if you desaturate by 10%, it is **63.4439, 0.2925, 0.3786**.

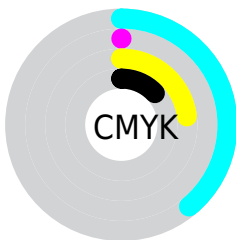
Distribution



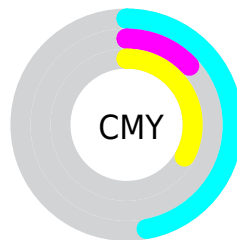
- Red (53%)
- Green (87%)
- Blue (67%)



- Red (53%)
- Yellow (77%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8665, 0.2866, 0.3989 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 60.8665, 0.2866, 0.3989 by changing the saturation by 10% instead.

 60.8665, 0.2866,
0.3989


 60.8665, 0.2866,
0.3989


427.7843, 0.2999,
0.3639

 44.1174, 0.2832,
0.4076


 106.0856, 0.2915,
0.3862

 30.7628, 0.2789,
0.4188


 135.3245, 0.2933,
0.3814

 20.4183, 0.2731,
0.4336


 169.4953, 0.2948,
0.3774

 12.6995, 0.2650,
0.4542

208.9827, 0.2961,
0.3739

 7.2219, 0.2528,
0.4846

254.1709, 0.2972,
0.3709

 3.6013, 0.2328,
0.5335

305.4443, 0.2982,

 1.4531, 0.1779,

0.3683

0.6915

363.1873, 0.2991,
0.3660

■ 0.2554, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.8665, 0.2866,
0.3989

■ 60.8665, 0.2866,
0.3989

■ 58.7316, 0.2816,
0.4207

■ 63.4439, 0.2925,
0.3786

■ 57.0057, 0.2780,
0.4435


■ 66.4798, 0.2991,
0.3600

■ 55.6627, 0.2760,
0.4668


■ 69.9987, 0.3060,
0.3432


■ 54.6700, 0.2758,
0.4897

■ 74.0210, 0.3131,
0.3283

 53.9893, 0.2776,
0.5113

 78.5661, 0.3201,
0.3150

 53.5583, 0.2809,
0.5310

 80.9420, 0.3174,
0.3026

 53.5384, 0.2811,
0.5320

 81.2573, 0.3142,
0.2980

Harmonies

Analogous

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



60.8665, 0.3386, 0.4245



60.8665, 0.2866, 0.3989



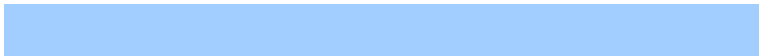
60.8665, 0.2439, 0.3491

Triad

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



60.8665, 0.2866, 0.3989



60.8665, 0.2399, 0.2456



60.8665, 0.4149, 0.3466

Complementary

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



60.8665, 0.2866, 0.3989



36.5997, 0.3529, 0.2688

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.



60.8665, 0.3840, 0.3056



60.8665, 0.2866, 0.3989



60.8665, 0.2803, 0.2499

Square

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



60.8665, 0.2866, 0.3989



60.8665, 0.2191, 0.2612



60.8665, 0.3332, 0.2714



60.8665, 0.4149, 0.3871

Rectangle

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



60.8665, 0.2866, 0.3989



60.8665, 0.2257, 0.3136



60.8665, 0.3332, 0.2714



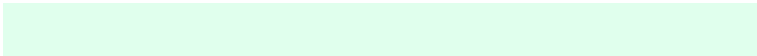
60.8665, 0.4077, 0.3326

Sweetspot

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



60.8690, 0.2866, 0.3989



93.5417, 0.3042, 0.3474



65.1921, 0.3443, 0.4363



19.8842, 0.3033, 0.3496



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.



60.8690, 0.2866, 0.3989



80.1539, 0.2826, 0.4160



62.7928, 0.2629, 0.3401



15.4299, 0.3060, 0.3432



31.4997, 0.2803, 0.5292



2.2008, 0.2717, 0.4982

Inverse Universe

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



36.5997, 0.3529, 0.2688



43.0820, 0.3643, 0.2571



35.0209, 0.4015, 0.3187



13.8357, 0.3200, 0.3152



10.2215, 0.4574, 0.2293



0.7262, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 60.8665, 0.2866, 0.3989 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 60.8665, 0.2866, 0.3989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

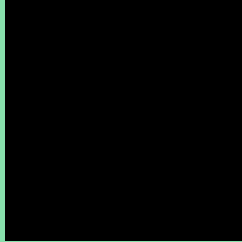
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.8665, 0.2866, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 60.8665, 0.2866, 0.3989.

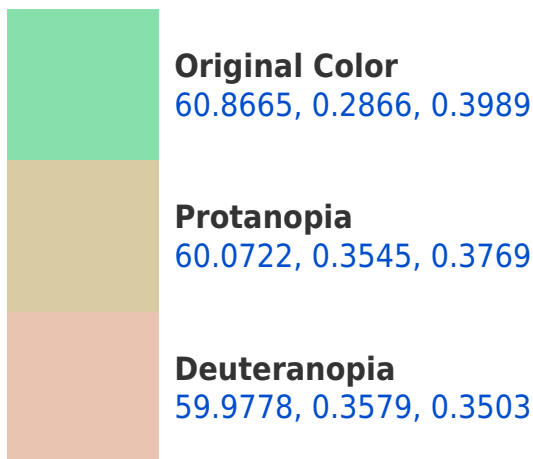


This preview shows how white text looks on a background with the Yxy color 60.8665, 0.2866, 0.3989.

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

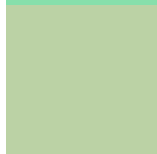
60.8166, 0.2596, 0.3080

Trichromacy



Original Color

60.8665, 0.2866, 0.3989



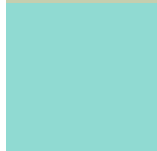
Protanomaly

59.3746, 0.3266, 0.3853



Deuteranomaly

59.1081, 0.3279, 0.3668



Tritanomaly

60.7252, 0.2692, 0.3391

Monochromacy



Original Color

60.8665, 0.2866, 0.3989



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.8305, 0.3018, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8665, 0.2866, 0.3989 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(135, 223, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 223, 171)  
}
```

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(135, 223, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 223, 171) }
```

Border

The CSS property to change the border of an element to Yxy 60.8665, 0.2866, 0.3989 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(135, 223, 171) }
```

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

```
.border{ border-color:rgb(135, 223, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 223, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 223, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 223, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 223,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8665, 0.2866, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 223, 171) }
```

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

```
.background{ background-color: rgb(135,  
223, 171) }
```

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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