

Converting Colors

$Yxy(66.5992, 0.2898, 0.3856)$

Have a look what the booklet for
Yxy(66.5992, 0.2898, 0.3856)
contains.

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Color

Yxy(66.8687, 0.2898, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	99E6B9
RGB	153, 230, 185
RGB Percent	60%, 90%, 73%
CMY	0.3996, 0.0981, 0.2745
CMYK	0.33, 0.00, 0.20, 0.10
HSL	145°, 61%, 75%
HSV	145°, 33%, 90%
XYZ	50.2035, 66.8687, 56.1628
YIQ	201.8470, -31.4470, -30.3190

Conversions

Conversions Part 2

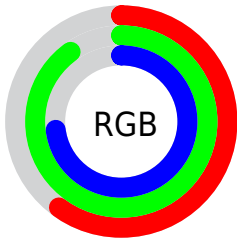
Format	Color
RYB	153, 207, 230
Decimal	10086073
CIELab	85.44, -33.06, 14.50
CIELCh	85, 36.096, 156.321
Yxy	66.8687, 0.2898, 0.3860
Android (android.graphics.Color)	4288276153 (0xFF99E6B9)
YUV	201.8470, -8.3056, -42.8388
Hunter-Lab	81.7733, -33.5158, 16.5203

Details

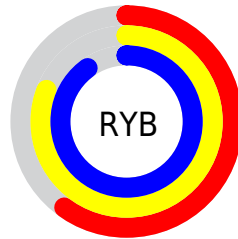
The Yxy color **66.8687, 0.2898, 0.3860** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.7137, 0.3455, 0.2784**, and the grayscale version is **59.0430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4262, 0.2928, 0.3436**, and **34.5907, 0.2834, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **64.3018, 0.2842, 0.4068**, and if you desaturate by 10%, it is **69.9263, 0.2962, 0.3668**.

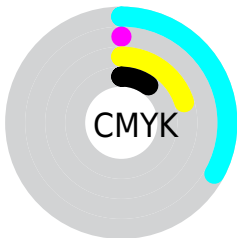
Distribution



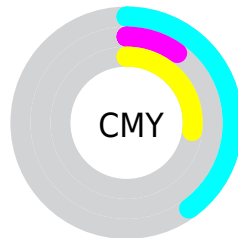
- Red (60%)
- Green (90%)
- Blue (73%)



- Red (60%)
- Yellow (81%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)




- Cyan (40%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8687, 0.2898, 0.3860 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 66.8687, 0.2898, 0.3860 by changing the saturation by 10% instead.


 66.8687, 0.2898,
0.3860

 66.8687, 0.2898,
0.3860


449.4773, 0.3011,
0.3581

 48.9779, 0.2870,
0.3928

 114.7323, 0.2939,
0.3760

 34.6020, 0.2835,
0.4013


 145.4738, 0.2954,
0.3722

 23.3564, 0.2789,
0.4126


181.2678, 0.2967,
0.3690

 14.8569, 0.2726,
0.4278

222.4985, 0.2978,
0.3662

 8.7190, 0.2634,
0.4498

269.5505, 0.2988,
0.3638

 4.5584, 0.2490,
0.4841

322.8080, 0.2997,

 1.9906, 0.2236,

0.3617

0.5446

382.6554, 0.3004,
0.3598

0.6020, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.8687, 0.2898,
0.3860

66.8687, 0.2898,
0.3860

64.3018, 0.2842,
0.4068

69.9263, 0.2962,
0.3668

62.1909, 0.2796,
0.4289


73.4905, 0.3031,
0.3495

60.5099, 0.2766,
0.4518


77.5869, 0.3103,
0.3339

59.2264, 0.2753,
0.4749


82.2365, 0.3174,
0.3202

 58.3030, 0.2759,
0.4972

 84.8929, 0.3156,
0.3074

 57.6950, 0.2784,
0.5180

 85.0673, 0.3138,
0.3048

 57.4218, 0.2807,
0.5306

Harmonies

Analogous

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



66.8687, 0.3340, 0.4084



66.8687, 0.2898, 0.3860



66.8687, 0.2535, 0.3448

Triad

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



66.8687, 0.2898, 0.3860



66.8687, 0.2516, 0.2576



66.8687, 0.3991, 0.3461

Complementary

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



66.8687, 0.2898, 0.3860



43.7137, 0.3455, 0.2784

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.



66.8687, 0.3739, 0.3105



66.8687, 0.2898, 0.3860



66.8687, 0.2868, 0.2615

Square

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



66.8687, 0.2898, 0.3860



66.8687, 0.2328, 0.2711



66.8687, 0.3317, 0.2805



66.8687, 0.3987, 0.3804

Rectangle

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



66.8687, 0.2898, 0.3860



66.8687, 0.2380, 0.3154



66.8687, 0.3317, 0.2805



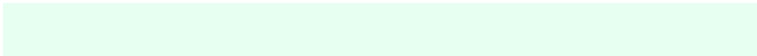
66.8687, 0.3933, 0.3340

Sweetspot

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



66.8715, 0.2898, 0.3860



94.5566, 0.3055, 0.3440



71.0637, 0.3400, 0.4191



20.0872, 0.3045, 0.3463



0.0000, 0.0000, 0.0000



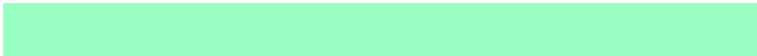
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8715, 0.2898, 0.3860



82.2476, 0.2859, 0.4000



68.6583, 0.2693, 0.3382



16.1879, 0.3059, 0.3431



32.5357, 0.2799, 0.5277



2.4224, 0.2718, 0.4986

Inverse Universe

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



43.7137, 0.3455, 0.2784



48.8296, 0.3546, 0.2680



42.1987, 0.3829, 0.3203



14.5087, 0.3201, 0.3153



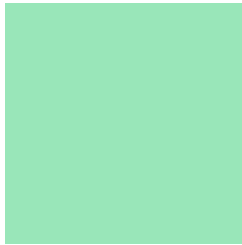
10.5321, 0.4598, 0.2307



0.7967, 0.4340, 0.2164

Previews

White Background



This preview shows how the Yxy color 66.8687, 0.2898, 0.3860 looks on a white background.

Color Contrast Check

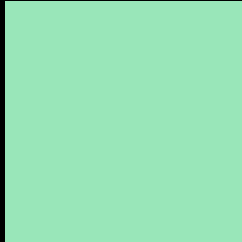
Large Text (above 18pt) WCAG AA × Fail

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 66.8687, 0.2898, 0.3860 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 66.8687, 0.2898, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 66.8687, 0.2898, 0.3860.

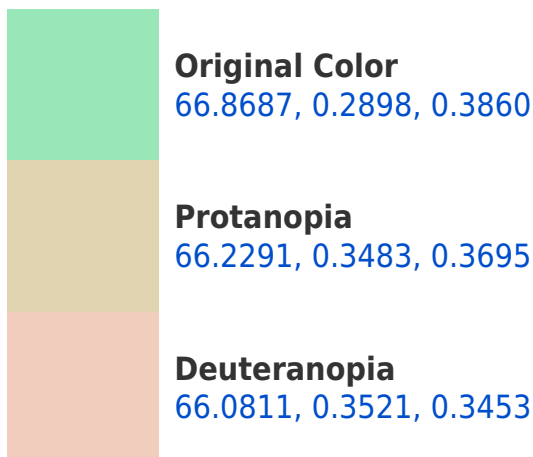


This preview shows how white text looks on a background with the Yxy color 66.8687, 0.2898, 0.3860.

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

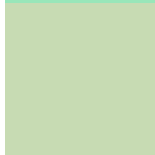
66.5332, 0.2654, 0.3078

Trichromacy



Original Color

66.8687, 0.2898, 0.3860



Protanomaly

66.0598, 0.3250, 0.3765



Deuteranomaly

65.2793, 0.3269, 0.3592



Tritanomaly

66.5948, 0.2743, 0.3349

Monochromacy



Original Color

66.8687, 0.2898, 0.3860



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.2628, 0.3031, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8687, 0.2898, 0.3860 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(153, 230, 185)` looks like.

```
.text, #text, p{  
    color:rgb(153, 230, 185)  
}
```

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(153, 230, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 230, 185) }
```

Border

The CSS property to change the border of an element to Yxy 66.8687, 0.2898, 0.3860 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(153, 230, 185) }
```

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

```
.border{ border-color:rgb(153, 230, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 230, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 230, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 230, 185);  
box-shadow:4px 4px 4px 4px rgb(153, 230,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8687, 0.2898, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 230, 185) }
```

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

```
.background{ background-color: rgb(153,  
230, 185) }
```

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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