

Converting Colors

$Y_{xy}(66.8295, 0.2699, 0.3822)$

Have a look what the booklet for
Yxy(66.8295, 0.2699, 0.3822)
contains.

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Color

Yxy(66.9068, 0.2698, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	7BEAC1
RGB	123, 234, 193
RGB Percent	48%, 92%, 76%
CMY	0.5176, 0.0823, 0.2431
CMYK	0.47, 0.00, 0.18, 0.08
HSL	158°, 73%, 70%
HSV	158°, 47%, 92%
XYZ	47.2180, 66.9068, 60.8864
YIQ	196.1370, -52.9950, -36.2830

Conversions

Conversions Part 2

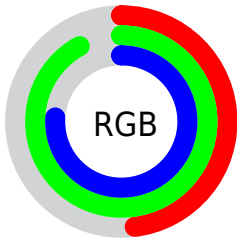
Format	Color
RYB	123, 191, 234
Decimal	8121025
CIELab	85.46, -41.32, 10.15
CIELCh	85, 42.545, 166.193
Yxy	66.9068, 0.2698, 0.3823
Android (android.graphics.Color)	4286311105 (0xFF7BEAC1)
YUV	196.1370, -1.5465, -64.1411
Hunter-Lab	81.7966, -40.1028, 13.1243

Details

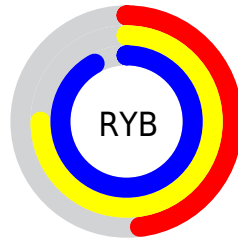
The Yxy color **66.9068, 0.2698, 0.3823** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.3393, 0.3934, 0.2831**, and the grayscale version is **55.3238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1833, 0.2735, 0.3354**, and **34.7616, 0.2591, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **65.0105, 0.2639, 0.3960**, and if you desaturate by 10%, it is **69.2434, 0.2772, 0.3693**.

Distribution



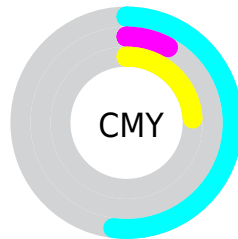
- Red (48%)
- Green (92%)
- Blue (76%)



- Red (48%)
- Yellow (75%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)




- Cyan (52%)
- Magenta (8%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9068, 0.2698, 0.3823 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 66.9068, 0.2698, 0.3823 by changing the saturation by 10% instead.

 66.9068, 0.2698,
0.3823


 66.9068, 0.2698,
0.3823


449.6130, 0.2903,
0.3564


 49.0089, 0.2649,
0.3886


 114.7869, 0.2771,
0.3730

 34.6265, 0.2588,
0.3965


 145.5378, 0.2798,
0.3695

 23.3753, 0.2510,
0.4068


 181.3419, 0.2822,
0.3665

 14.8709, 0.2405,
0.4208

222.5834, 0.2843,
0.3639

 8.7288, 0.2258,
0.4409

269.6470, 0.2861,
0.3617

 4.5647, 0.2038,
0.4718

322.9168, 0.2877,

 1.9942, 0.1635,

0.3597

0.5279

382.7773, 0.2891,
0.3579

0.6041, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.9068, 0.2698,
0.3823

66.9068, 0.2698,
0.3823

65.0105, 0.2639,
0.3960

69.2434, 0.2772,
0.3693

63.5163, 0.2598,
0.4102


72.0394, 0.2857,
0.3572

62.3924, 0.2577,
0.4247


75.3227, 0.2951,
0.3460


61.5988, 0.2577,
0.4391


79.1164, 0.3051,
0.3359

 61.0821, 0.2596,
0.4532

 83.4421, 0.3154,
0.3268

 60.9728, 0.2602,
0.4567

 86.6913, 0.3200,
0.3184

 87.2311, 0.3146,
0.3102

 87.3274, 0.3137,
0.3088

Harmonies

Analogous

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



66.9068, 0.3196, 0.4184



66.9068, 0.2698, 0.3823



66.9068, 0.2334, 0.3296

Triad

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



66.9068, 0.2698, 0.3823



66.9068, 0.2528, 0.2455



66.9068, 0.4178, 0.3615

Complementary

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



66.9068, 0.2698, 0.3823



34.3393, 0.3934, 0.2831

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.



66.9068, 0.3977, 0.3201



66.9068, 0.2698, 0.3823



66.9068, 0.2986, 0.2563

Square

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



66.9068, 0.2698, 0.3823



66.9068, 0.2247, 0.2536



66.9068, 0.3524, 0.2828



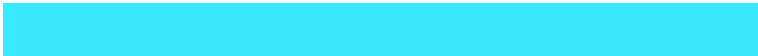
66.9068, 0.4067, 0.3995

Rectangle

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



66.9068, 0.2698, 0.3823



66.9068, 0.2205, 0.2965



66.9068, 0.3524, 0.2828



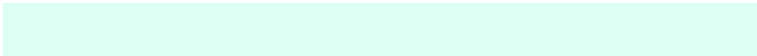
66.9068, 0.4146, 0.3477

Sweetspot

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



66.9095, 0.2698, 0.3823



93.0265, 0.2984, 0.3425



68.3362, 0.3323, 0.4670



19.7056, 0.2963, 0.3447



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.



66.9095, 0.2698, 0.3823



79.0452, 0.2640, 0.3958



61.8927, 0.2469, 0.3126



17.0220, 0.3030, 0.3378



34.2875, 0.2596, 0.4545



2.7109, 0.2542, 0.4351

Inverse Universe

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



34.3393, 0.3934, 0.2831



34.9923, 0.4201, 0.2752



36.5179, 0.4361, 0.3440



15.1460, 0.3235, 0.3203



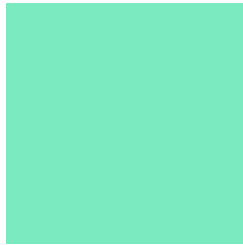
10.2333, 0.5498, 0.2803



0.8216, 0.5119, 0.2594

Previews

White Background



This preview shows how the Yxy color 66.9068, 0.2698, 0.3823 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 66.9068, 0.2698, 0.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

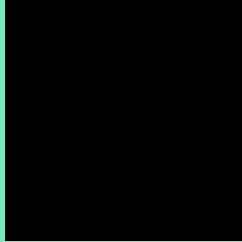
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

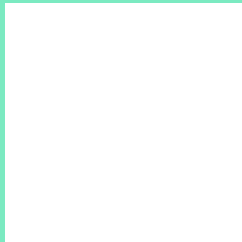
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9068, 0.2698, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 66.9068, 0.2698, 0.3823.

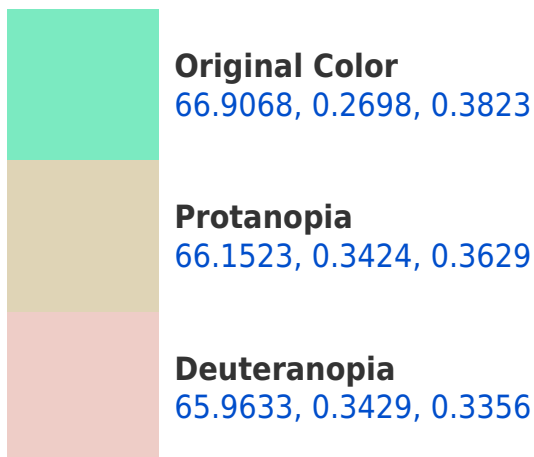


This preview shows how white text looks on a background with the Yxy color 66.9068, 0.2698, 0.3823.

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

66.8491, 0.2495, 0.3073

Trichromacy



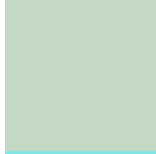
Original Color

66.9068, 0.2698, 0.3823



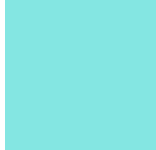
Protanomaly

65.2964, 0.3115, 0.3701



Deuteranomaly

64.8787, 0.3109, 0.3515



Tritanomaly

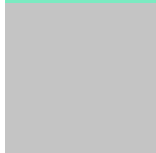
66.9901, 0.2568, 0.3338

Monochromacy



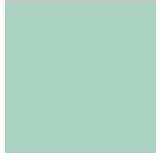
Original Color

66.9068, 0.2698, 0.3823



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.4683, 0.2931, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9068, 0.2698, 0.3823 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(123, 234, 193)` looks like.

```
.text, #text, p{  
    color:rgb(123, 234, 193)  
}
```

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(123, 234, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 234, 193) }
```

Border

The CSS property to change the border of an element to Yxy 66.9068, 0.2698, 0.3823 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(123, 234, 193) }
```

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

```
.border{ border-color:rgb(123, 234, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 234, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 234, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 234, 193);  
box-shadow:4px 4px 4px 4px rgb(123, 234,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9068, 0.2698, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 234, 193) }
```

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

```
.background{ background-color: rgb(123,  
234, 193) }
```

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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