

Converting Colors

$Yxy(66.3955, 0.2851, 0.3704)$

Have a look what the booklet for
Yxy(66.3955, 0.2851, 0.3704)
contains.

Yxy(66.3955, 0.2851, 0.3704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.3955, 0.2851, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	9BE4C3
RGB	155, 228, 195
RGB Percent	61%, 89%, 76%
CMY	0.3923, 0.1058, 0.2353
CMYK	0.32, 0.00, 0.14, 0.11
HSL	153°, 58%, 75%
HSV	153°, 32%, 89%
XYZ	51.1052, 66.3955, 61.7528
YIQ	202.4110, -32.9150, -25.7390

Conversions

Conversions Part 2

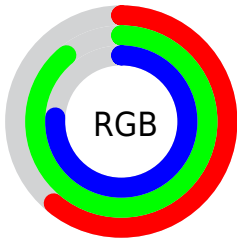
Format	Color
RYB	155, 202, 228
Decimal	10216643
CIELab	85.20, -29.62, 8.93
CIELCh	85, 30.934, 163.223
Yxy	66.3955, 0.2851, 0.3704
Android (android.graphics.Color)	4288406723 (0xFF9BE4C3)
YUV	202.4110, -3.6536, -41.5794
Hunter-Lab	81.4834, -30.6435, 12.1050

Details

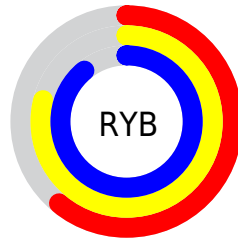
The Yxy color **66.3955, 0.2851, 0.3704** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.5541, 0.3530, 0.2913**, and the grayscale version is **59.3675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3972, 0.2882, 0.3320**, and **34.1948, 0.2782, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **63.9019, 0.2779, 0.3860**, and if you desaturate by 10%, it is **69.3526, 0.2932, 0.3560**.

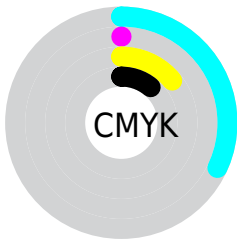
Distribution



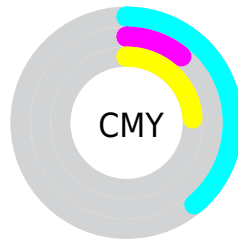
- Red (61%)
- Green (89%)
- Blue (76%)



- Red (61%)
- Yellow (79%)
- Blue (89%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)





- Cyan (39%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3955, 0.2851, 0.3704 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 66.3955, 0.2851, 0.3704 by changing the saturation by 10% instead.

 66.3955, 0.2851,
0.3704


 66.3955, 0.2851,
0.3704


447.7900, 0.2984,
0.3503

 48.5935, 0.2819,
0.3752


 114.0538, 0.2898,
0.3632

 34.2972, 0.2780,
0.3813


 144.6789, 0.2916,
0.3605

 23.1220, 0.2729,
0.3892

180.3472, 0.2931,
0.3582

 14.6836, 0.2660,
0.4000

221.4430, 0.2945,
0.3562

 8.5976, 0.2562,
0.4154

268.3509, 0.2956,
0.3545

 4.4797, 0.2414,
0.4391


321.4550, 0.2966,

 1.9453, 0.2164,


0.3529


0.4803


381.1399, 0.2976,
0.3516


 0.5754, 0.0000,
0.9960


 0.0000, 0.0000,
0.0000

 66.3955, 0.2851,
0.3704


 66.3955, 0.2851,
0.3704


 63.9019, 0.2779,
0.3860


 69.3526, 0.2932,
0.3560

 61.8389, 0.2720,
0.4026


 72.7878, 0.3019,
0.3430

 60.1822, 0.2676,
0.4200


 76.7251, 0.3109,
0.3312

 58.9015, 0.2651,
0.4378


 81.1844, 0.3200,
0.3208

 57.9620, 0.2646,
0.4556

 83.4391, 0.3194,
0.3110

 57.3223, 0.2661,
0.4730

 83.9735, 0.3139,
0.3029

 56.9739, 0.2684,
0.4863

Harmonies

Analogous

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



66.3955, 0.3226, 0.3941



66.3955, 0.2851, 0.3704



66.3955, 0.2562, 0.3340

Triad

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



66.3955, 0.2851, 0.3704



66.3955, 0.2658, 0.2665



66.3955, 0.3887, 0.3516

Complementary

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



66.3955, 0.2851, 0.3704



43.5541, 0.3530, 0.2913

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.



66.3955, 0.3718, 0.3202



66.3955, 0.2851, 0.3704



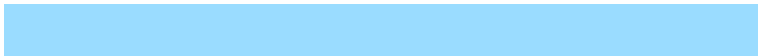
66.3955, 0.2991, 0.2730

Square

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



66.3955, 0.2851, 0.3704



66.3955, 0.2457, 0.2750



66.3955, 0.3382, 0.2922



66.3955, 0.3836, 0.3798

Rectangle

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



66.3955, 0.2851, 0.3704



66.3955, 0.2450, 0.3097



66.3955, 0.3382, 0.2922



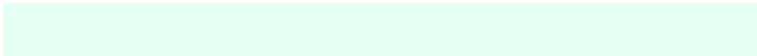
66.3955, 0.3855, 0.3412

Sweetspot

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



66.3982, 0.2851, 0.3704



94.7604, 0.3036, 0.3406



68.6839, 0.3318, 0.4170



20.1365, 0.3024, 0.3423



0.0000, 0.0000, 0.0000



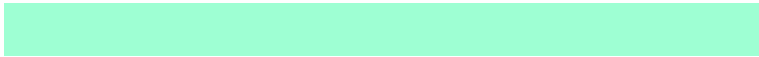
21.4041, 0.3127, 0.3290

Same Dimension

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



66.3982, 0.2851, 0.3704



83.5133, 0.2805, 0.3799



66.7295, 0.2667, 0.3259



16.2207, 0.3042, 0.3398



32.9191, 0.2677, 0.4838



2.4513, 0.2609, 0.4591

Inverse Universe

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



43.5541, 0.3530, 0.2913



50.0066, 0.3639, 0.2838



43.1083, 0.3854, 0.3321



14.4757, 0.3222, 0.3184



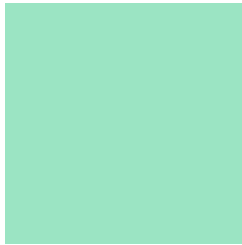
10.1131, 0.5157, 0.2615



0.7658, 0.4801, 0.2418

Previews

White Background



This preview shows how the Yxy color 66.3955, 0.2851, 0.3704 looks on a white background.

Color Contrast Check

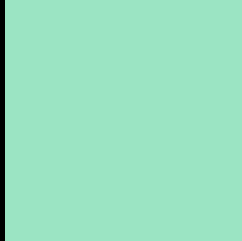
Large Text (above 18pt) WCAG AA × Fail

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 66.3955, 0.2851, 0.3704 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

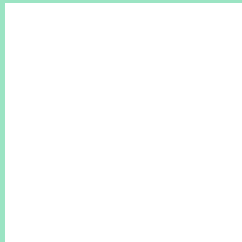
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3955, 0.2851, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 66.3955, 0.2851, 0.3704.

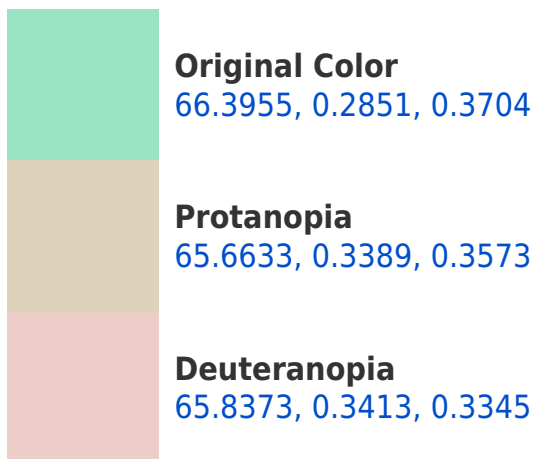


This preview shows how white text looks on a background with the Yxy color 66.3955, 0.2851, 0.3704.

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

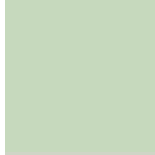
66.3671, 0.2654, 0.3089

Trichromacy



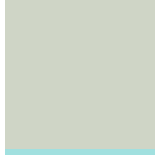
Original Color

66.3955, 0.2851, 0.3704



Protanomaly

65.3056, 0.3177, 0.3622



Deuteranomaly

64.9311, 0.3186, 0.3464



Tritanomaly

66.2161, 0.2725, 0.3301

Monochromacy



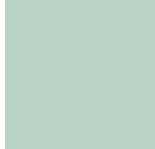
Original Color

66.3955, 0.2851, 0.3704



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.0263, 0.3018, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3955, 0.2851, 0.3704 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(155, 228, 195)` looks like.

```
.text, #text, p{  
    color:rgb(155, 228, 195)  
}
```

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(155, 228, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 228, 195) }
```

Border

The CSS property to change the border of an element to Yxy 66.3955, 0.2851, 0.3704 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(155, 228, 195) }
```

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

```
.border{ border-color:rgb(155, 228, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 228, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 228, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 228, 195);  
box-shadow:4px 4px 4px 4px rgb(155, 228,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3955, 0.2851, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 228, 195) }
```

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

```
.background{ background-color: rgb(155,  
228, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor