

Converting Colors

$Yxy(53.6919, 0.2701, 0.3101)$

Have a look what the booklet for
Yxy(53.6919, 0.2701, 0.3101)
contains.

Yxy(53.6997, 0.2699, 0.3098)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.6997, 0.2699, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	9BC9D8
RGB	155, 201, 216
RGB Percent	61%, 79%, 85%
CMY	0.3925, 0.2117, 0.1530
CMYK	0.28, 0.07, 0.00, 0.15
HSL	195°, 44%, 73%
HSV	195°, 28%, 85%
XYZ	46.7836, 53.6997, 72.8534
YIQ	188.9560, -32.2310, -5.0870

Conversions

Conversions Part 2

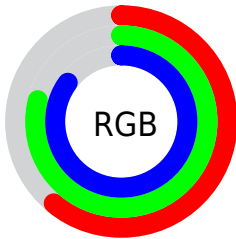
Format	Color
RYB	155, 181, 216
Decimal	10209752
CIELab	78.29, -11.63, -12.37
CIELCh	78, 16.973, 226.764
Yxy	53.6997, 0.2699, 0.3098
Android (android.graphics.Color)	4288399832 (0xFF9BC9D8)
YUV	188.9560, 13.3327, -29.7794
Hunter-Lab	73.2801, -14.2819, -7.6487

Details

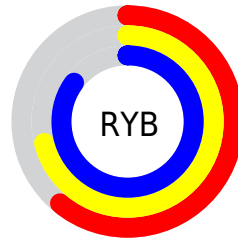
The Yxy color **53.6997, 0.2699, 0.3098** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6592, 0.3695, 0.3473**, and the grayscale version is **50.7895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **26.2654, 0.2592, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **49.3298, 0.2558, 0.3019**, and if you desaturate by 10%, it is **58.5410, 0.2847, 0.3172**.

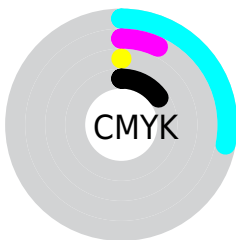
Distribution



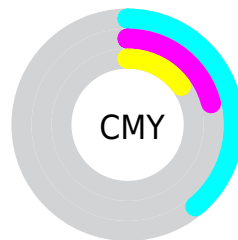
- Red (61%)
- Green (79%)
- Blue (85%)



- Red (61%)
- Yellow (71%)
- Blue (85%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (39%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6997, 0.2699, 0.3098 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 53.6997, 0.2699, 0.3098 by changing the saturation by 10% instead.


 53.6997, 0.2699,
0.3098

 53.6997, 0.2699,
0.3098


400.9638, 0.2905,
0.3195

 38.3616, 0.2650,
0.3074


 95.6332, 0.2772,
0.3133

 26.2635, 0.2588,
0.3043


 122.9974, 0.2800,
0.3146

 17.0209, 0.2509,
0.3002


155.1391, 0.2824,
0.3157

 10.2494, 0.2402,
0.2945

192.4427, 0.2844,
0.3167

 5.5646, 0.2252,
0.2861

235.2925, 0.2862,
0.3175

 2.5822, 0.2026,
0.2726

284.0731, 0.2878,

 0.9177, 0.1599,

0.3183

0.2496

339.1687, 0.2892,
0.3189

0.0000, 0.0000,
0.0000

53.6997, 0.2699,
0.3098

53.6997, 0.2699,
0.3098

49.3298, 0.2558,
0.3019

58.5410, 0.2847,
0.3172

45.4035, 0.2427,
0.2935

63.8669, 0.3000,
0.3239

41.8999, 0.2311,
0.2847

69.6980, 0.3154,
0.3300

38.7935, 0.2211,
0.2757

76.0516, 0.3306,
0.3355

36.0551, 0.2130,
0.2666

81.4150, 0.3398,
0.3406

■ 33.6509, 0.2069,
0.2574

■ 84.3613, 0.3390,
0.3458

■ 31.5313, 0.2026,
0.2484

■ 87.3974, 0.3382,
0.3510

■ 31.1824, 0.2019,
0.2469

■ 90.5239, 0.3375,
0.3561

■ 93.7418, 0.3367,
0.3611

Harmonies

Analogous

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



53.6997, 0.2774, 0.3299



53.6997, 0.2699, 0.3098



53.6997, 0.2733, 0.2959

Triad

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



53.6997, 0.2699, 0.3098



53.6997, 0.3306, 0.3086



53.6997, 0.3382, 0.3690

Complementary

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



53.6997, 0.2699, 0.3098



45.6592, 0.3695, 0.3473

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.



53.6997, 0.3534, 0.3613



53.6997, 0.2699, 0.3098



53.6997, 0.3491, 0.3265

Square

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



53.6997, 0.2699, 0.3098



53.6997, 0.3077, 0.2959



53.6997, 0.3575, 0.3456



53.6997, 0.3164, 0.3653

Rectangle

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



53.6997, 0.2699, 0.3098



53.6997, 0.2813, 0.2917



53.6997, 0.3575, 0.3456



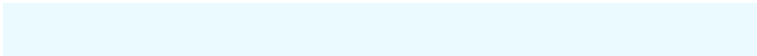
53.6997, 0.3442, 0.3676

Sweetspot

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



53.7019, 0.2699, 0.3098



93.1877, 0.3003, 0.3240



58.9336, 0.3000, 0.3909



19.6834, 0.2980, 0.3230



0.0000, 0.0000, 0.0000



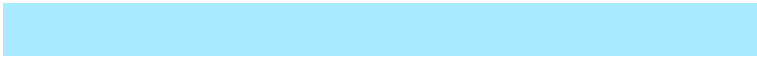
21.4041, 0.3127, 0.3290

Same Dimension

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



53.7019, 0.2699, 0.3098



74.2904, 0.2613, 0.3051



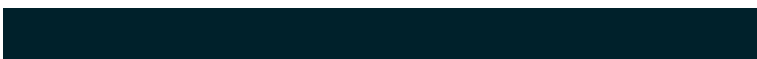
41.1160, 0.2658, 0.2699



13.5686, 0.2982, 0.3232



18.6369, 0.2023, 0.2482



1.2500, 0.2066, 0.2638

Inverse Universe

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



42.2268, 0.3293, 0.2750



55.3033, 0.3338, 0.2633



58.1284, 0.3600, 0.3818



12.5783, 0.3175, 0.3116



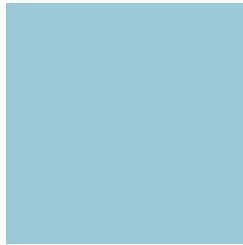
10.2263, 0.3940, 0.1944



0.6295, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 53.6997, 0.2699, 0.3098 looks on a white background.

Color Contrast Check

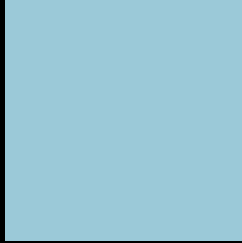
Large Text (above 18pt) WCAG AA × Fail

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 53.6997, 0.2699, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

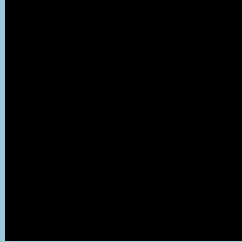
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

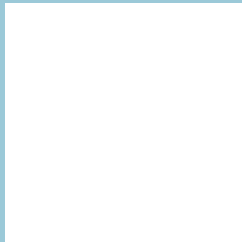
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.6997, 0.2699, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 53.6997, 0.2699, 0.3098.

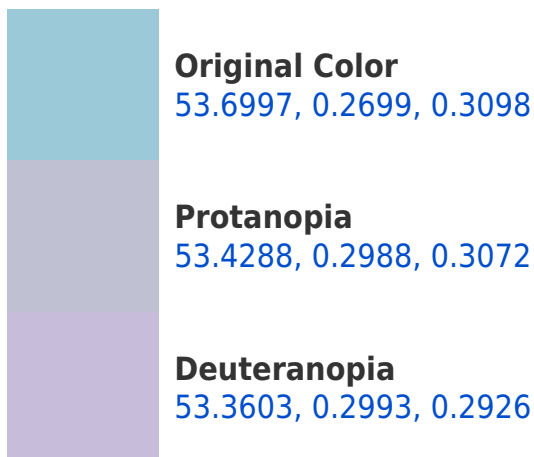


This preview shows how white text looks on a background with the Yxy color 53.6997, 0.2699, 0.3098.

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

53.7516, 0.2694, 0.3085

Trichromacy



Original Color

53.6997, 0.2699, 0.3098

Protanomaly

53.2487, 0.2877, 0.3079

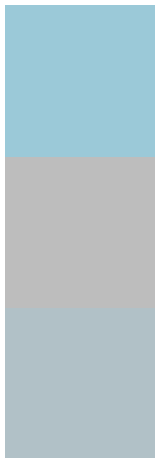
Deuteranomaly

53.3922, 0.2880, 0.2986

Tritanomaly

53.7516, 0.2694, 0.3085

Monochromacy



Original Color

53.6997, 0.2699, 0.3098

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.6106, 0.2958, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6997, 0.2699, 0.3098 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, 201, 216)` looks like.

```
.text, #text, p{  
    color:rgb(155, 201, 216)  
}
```

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, 201, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 201, 216) }
```

Border

The CSS property to change the border of an element to Yxy 53.6997, 0.2699, 0.3098 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, 201, 216) }
```

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

```
.border{ border-color:rgb(155, 201, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 201, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 201, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 201, 216);  
box-shadow:4px 4px 4px 4px rgb(155, 201,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6997, 0.2699, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 201, 216) }
```

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

```
.background{ background-color: rgb(155,  
201, 216) }
```

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