

Converting Colors

$Yxy(63.7898, 0.2669, 0.3296)$

Have a look what the booklet for
Yxy(63.7898, 0.2669, 0.3296)
contains.

Yxy(63.9470, 0.2671, 0.3301)	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(63.9470, 0.2671, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	96DEDD
RGB	150, 222, 221
RGB Percent	59%, 87%, 87%
CMY	0.4120, 0.1294, 0.1333
CMYK	0.32, 0.00, 0.00, 0.13
HSL	179°, 52%, 73%
HSV	179°, 32%, 87%
XYZ	51.7426, 63.9470, 78.0305
YIQ	200.3580, -42.5910, -15.5750

Conversions

Conversions Part 2

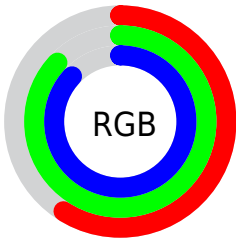
Format	Color
RYB	150, 186, 222
Decimal	9887453
CIELab	83.94, -22.50, -6.67
CIELCh	84, 23.473, 196.509
Yxy	63.9470, 0.2671, 0.3301
Android (android.graphics.Color)	4288077533 (0xFF96DEDD)
YUV	200.3580, 10.1765, -44.1640
Hunter-Lab	79.9669, -24.4434, -1.8775

Details

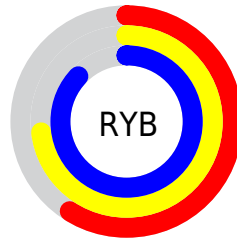
The Yxy color **63.9470, 0.2671, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5578, 0.3865, 0.3280**, and the grayscale version is **57.9407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **32.8235, 0.2560, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **62.0237, 0.2558, 0.3305**, and if you desaturate by 10%, it is **66.2743, 0.2799, 0.3297**.

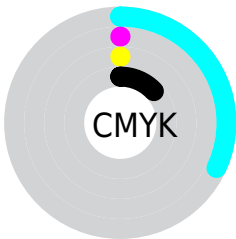
Distribution



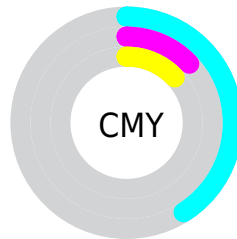
- Red (59%)
- Green (87%)
- Blue (87%)



- Red (59%)
- Yellow (73%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (41%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9470, 0.2671, 0.3301 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 63.9470, 0.2671, 0.3301 by changing the saturation by 10% instead.


 63.9470, 0.2671,
0.3301


 63.9470, 0.2671,
0.3301


438.9982, 0.2884,
0.3299

 46.6077, 0.2622,
0.3301


 110.5346, 0.2745,
0.3301

 32.7257, 0.2561,
0.3299


 140.5517, 0.2774,
0.3301

 21.9164, 0.2483,
0.3297


175.5636, 0.2799,
0.3301

 13.7955, 0.2381,
0.3293

215.9547, 0.2821,
0.3300

 7.9785, 0.2242,
0.3285

262.1093, 0.2839,
0.3300

 4.0812, 0.2039,
0.3267

314.4118, 0.2856,

 1.7191, 0.1724,

0.3300

373.2466, 0.2871,
0.3300

0.3223

0.4360, 0.0000,
0.3166

0.0000, 0.0000,
0.0000

63.9470, 0.2671,
0.3301

63.9470, 0.2671,
0.3301

62.0237, 0.2558,
0.3305

66.2743, 0.2799,
0.3297

60.4743, 0.2462,
0.3309

69.0189, 0.2940,
0.3294

59.2763, 0.2384,
0.3314

72.2026, 0.3089,
0.3291

58.4021, 0.2326,
0.3318

75.8437, 0.3245,
0.3288

■ 57.8194, 0.2287,
0.3322

■ 78.8138, 0.3361,
0.3285

■ 57.4898, 0.2266,
0.3327

■ 78.8304, 0.3359,
0.3282

■ 57.3609, 0.2258,
0.3330

■ 78.8471, 0.3356,
0.3279

■ 78.8637, 0.3354,
0.3276

■ 78.8804, 0.3352,
0.3273

Harmonies

Analogous

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



63.9470, 0.2888, 0.3577



63.9470, 0.2671, 0.3301



63.9470, 0.2574, 0.3038

Triad

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



63.9470, 0.2671, 0.3301



63.9470, 0.3057, 0.2863



63.9470, 0.3659, 0.3706

Complementary

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



63.9470, 0.2671, 0.3301



39.5578, 0.3865, 0.3280

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.



63.9470, 0.3714, 0.3499



63.9470, 0.2671, 0.3301



63.9470, 0.3357, 0.3025

Square

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



63.9470, 0.2671, 0.3301



63.9470, 0.2789, 0.2802



63.9470, 0.3602, 0.3252



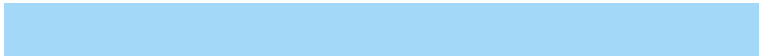
63.9470, 0.3459, 0.3813

Rectangle

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



63.9470, 0.2671, 0.3301



63.9470, 0.2587, 0.2907



63.9470, 0.3602, 0.3252



63.9470, 0.3695, 0.3645

Sweetspot

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



63.9496, 0.2671, 0.3301



95.4576, 0.2975, 0.3293



61.0430, 0.3090, 0.4247



20.3059, 0.2954, 0.3294



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.



63.9496, 0.2671, 0.3301



85.6744, 0.2592, 0.3304



47.3693, 0.2610, 0.2838



15.5689, 0.2984, 0.3293



34.0678, 0.2258, 0.3329



2.3625, 0.2256, 0.3323

Inverse Universe

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



39.5578, 0.3865, 0.3280



47.3182, 0.4097, 0.3278



52.3361, 0.3743, 0.3701



13.7036, 0.3290, 0.3287



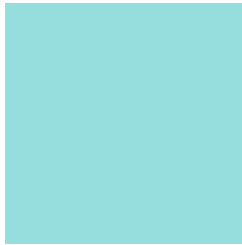
9.2296, 0.6385, 0.3291



0.6409, 0.6339, 0.3266

Previews

White Background



This preview shows how the Yxy color 63.9470, 0.2671, 0.3301 looks on a white background.

Color Contrast Check

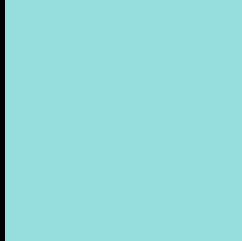
Large Text (above 18pt) WCAG AA × Fail

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 63.9470, 0.2671, 0.3301 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

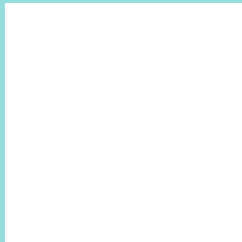
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9470, 0.2671, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 63.9470, 0.2671, 0.3301.

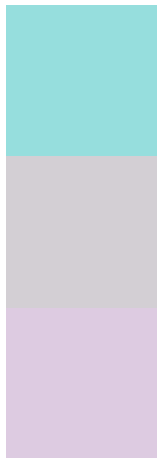


This preview shows how white text looks on a background with the Yxy color 63.9470, 0.2671, 0.3301.

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



Original Color

63.9470, 0.2671, 0.3301

Protanopia

63.2280, 0.3122, 0.3233

Deuteranopia

63.5203, 0.3108, 0.3048



Tritanopia

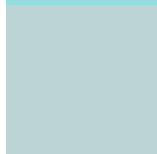
64.1708, 0.2606, 0.3085

Trichromacy



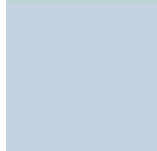
Original Color

63.9470, 0.2671, 0.3301



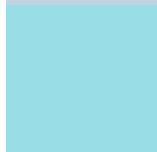
Protanomaly

62.8121, 0.2942, 0.3254



Deuteranomaly

63.0771, 0.2926, 0.3128



Tritanomaly

64.2547, 0.2633, 0.3167

Monochromacy



Original Color

63.9470, 0.2671, 0.3301



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.6109, 0.2937, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9470, 0.2671, 0.3301 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(150, 222, 221)` looks like.

```
.text, #text, p{  
    color:rgb(150, 222, 221)  
}
```

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(150, 222, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 222, 221) }
```

Border

The CSS property to change the border of an element to Yxy 63.9470, 0.2671, 0.3301 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(150, 222, 221) }
```

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

```
.border{ border-color:rgb(150, 222, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 222, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 222, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 222, 221);  
box-shadow:4px 4px 4px 4px rgb(150, 222,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9470, 0.2671, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 222, 221) }
```

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

```
.background{ background-color: rgb(150,  
222, 221) }
```

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