

Converting Colors

$Yxy(70.9959, 0.2750, 0.3685)$

Have a look what the booklet for
Yxy(70.9959, 0.2750, 0.3685)
contains.

| | |
|---|----|
| Yxy(70.9959, 0.2750, 0.3685) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(70.9959, 0.2750, 0.3685)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 91EDCD |
| RGB | 145, 237, 205 |
| RGB Percent | 57%, 93%, 80% |
| CMY | 0.4314, 0.0706, 0.1960 |
| CMYK | 0.39, 0.00, 0.13, 0.07 |
| HSL | 159°, 72%, 75% |
| HSV | 159°, 39%, 93% |
| XYZ | 52.9820, 70.9959, 68.6840 |
| YIQ | 205.8440, -44.5600, -29.4560 |

Conversions

Conversions Part 2

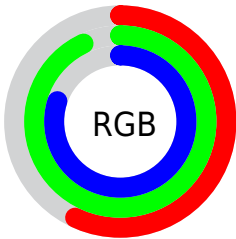
| Format | Color |
|-------------------------------------|---|
| RYB | 145, 201, 237 |
| Decimal | 9563597 |
| CIELab | 87.48, -34.55, 6.89 |
| CIELCh | 87, 35.231, 168.716 |
| Yxy | 70.9959, 0.2750, 0.3685 |
| Android (android.graphics.Color) | 4287753677 (0xFF91EDCD) |
| YUV | 205.8440, -0.4161, -53.3602 |
| Hunter-Lab | 84.2591, -35.2127, 10.6510 |

Details

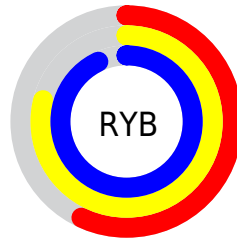
The Yxy color **70.9959, 0.2750, 0.3685** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.4277, 0.3753, 0.2934**, and the grayscale version is **61.6423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **37.4060, 0.2656, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **68.6783, 0.2676, 0.3808**, and if you desaturate by 10%, it is **73.7893, 0.2836, 0.3570**.

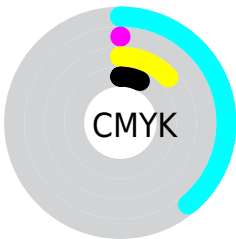
Distribution



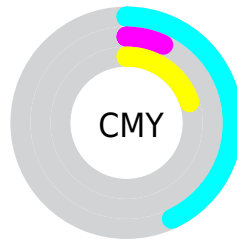
- Red (57%)
- Green (93%)
- Blue (80%)



- Red (57%)
- Yellow (79%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)





- Cyan (43%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9959, 0.2750, 0.3685 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 70.9959, 0.2750, 0.3685 by changing the saturation by 10% instead.


 70.9959, 0.2750,
0.3685


 70.9959, 0.2750,
0.3685


464.0391, 0.2927,
0.3497

 52.3389, 0.2709,
0.3729

 120.6279, 0.2812,
0.3618

 37.2752, 0.2658,
0.3785


 152.3716, 0.2836,
0.3593

 25.4207, 0.2592,
0.3857


189.2464, 0.2857,
0.3571

 16.3907, 0.2506,
0.3953

231.6365, 0.2874,
0.3552

 9.8011, 0.2387,
0.4088

279.9265, 0.2890,
0.3536

 5.2673, 0.2213,
0.4290


334.5006, 0.2904,

 2.4049, 0.1935,


0.3521


0.4626


395.7434, 0.2916,
0.3508


 0.8284, 0.0000,
0.6635

 0.0000, 0.0000,
0.0000


 70.9959, 0.2750,
0.3685


 70.9959, 0.2750,
0.3685


 68.6783, 0.2676,
0.3808


 73.7893, 0.2836,
0.3570


 66.7993, 0.2618,
0.3937

 77.0758, 0.2932,
0.3464

 65.3302, 0.2578,
0.4071


 80.8824, 0.3034,
0.3367


 64.2350, 0.2558,
0.4206


 85.2317, 0.3140,
0.3280

 63.4712, 0.2559,
0.4341

 88.4973, 0.3190,
0.3201

 62.9753, 0.2578,
0.4473

 89.0150, 0.3139,
0.3122

 62.9247, 0.2580,
0.4489

 89.0504, 0.3135,
0.3117

Harmonies

Analogous

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



70.9959, 0.3155, 0.3988



70.9959, 0.2750, 0.3685



70.9959, 0.2458, 0.3266

Triad

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



70.9959, 0.2750, 0.3685



70.9959, 0.2664, 0.2600



70.9959, 0.3983, 0.3598

Complementary

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



70.9959, 0.2750, 0.3685



41.4277, 0.3753, 0.2934

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.



70.9959, 0.3838, 0.3252



70.9959, 0.2750, 0.3685



70.9959, 0.3052, 0.2701

Square

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



70.9959, 0.2750, 0.3685



70.9959, 0.2413, 0.2660



70.9959, 0.3488, 0.2934



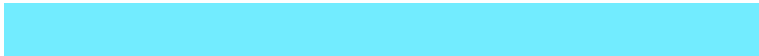
70.9959, 0.3878, 0.3897

Rectangle

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



70.9959, 0.2750, 0.3685



70.9959, 0.2359, 0.3003



70.9959, 0.3488, 0.2934



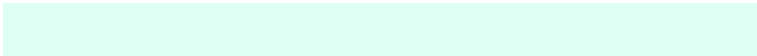
70.9959, 0.3962, 0.3484

Sweetspot

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



70.9988, 0.2750, 0.3685



93.9851, 0.3001, 0.3397



71.9850, 0.3278, 0.4405



19.9886, 0.2987, 0.3410



0.0000, 0.0000, 0.0000



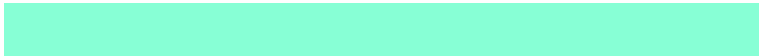
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9988, 0.2750, 0.3685



81.5050, 0.2687, 0.3787



65.0175, 0.2564, 0.3122



17.0278, 0.3027, 0.3373



34.3791, 0.2574, 0.4467



2.7176, 0.2523, 0.4284

Inverse Universe

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



41.4277, 0.3753, 0.2934



41.7964, 0.3958, 0.2860



44.7756, 0.4036, 0.3448



15.1405, 0.3238, 0.3208



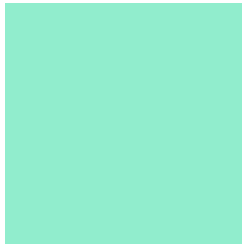
10.1878, 0.5583, 0.2849



0.8176, 0.5197, 0.2637

Previews

White Background



This preview shows how the Yxy color 70.9959, 0.2750, 0.3685 looks on a white background.

Color Contrast Check

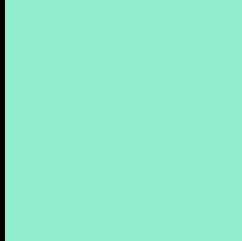
Large Text (above 18pt) WCAG AA × Fail

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 70.9959, 0.2750, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

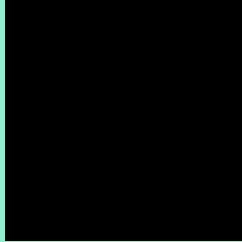
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

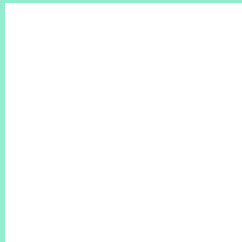
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9959, 0.2750, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 70.9959, 0.2750, 0.3685.

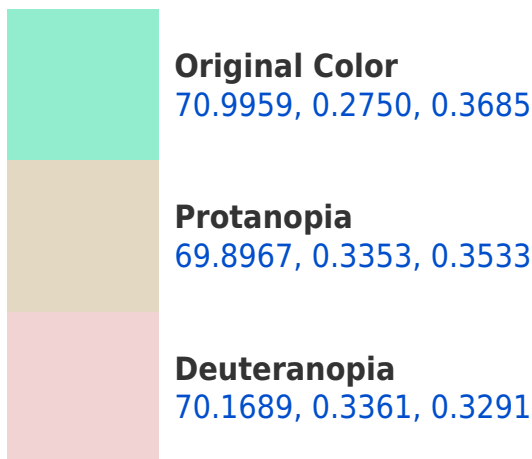


This preview shows how white text looks on a background with the Yxy color 70.9959, 0.2750, 0.3685.

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

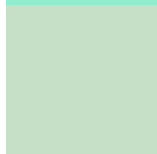
71.0593, 0.2575, 0.3081

Trichromacy



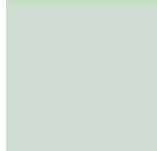
Original Color

70.9959, 0.2750, 0.3685



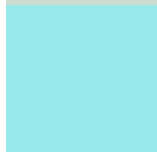
Protanomaly

69.3051, 0.3100, 0.3581



Deuteranomaly

69.0552, 0.3107, 0.3415



Tritanomaly

70.8364, 0.2637, 0.3289

Monochromacy



Original Color

70.9959, 0.2750, 0.3685



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.2723, 0.2966, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9959, 0.2750, 0.3685 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(145, 237, 205)` looks like.

```
.text, #text, p{  
    color:rgb(145, 237, 205)  
}
```

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(145, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 237, 205) }
```

Border

The CSS property to change the border of an element to Yxy 70.9959, 0.2750, 0.3685 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(145, 237, 205) }
```

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

```
.border{ border-color:rgb(145, 237, 205) }
```

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

Here you see how a box with a 4 pixel rgb(145, 237, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(145, 237,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9959, 0.2750, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 237, 205) }
```

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

```
.background{ background-color: rgb(145,  
237, 205) }
```

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