

Converting Colors

$Yxy(71.1494, 0.2581, 0.3370)$

Have a look what the booklet for
Yxy(71.1494, 0.2581, 0.3370)
contains.

Yxy(70.9383, 0.2579, 0.3361)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9383, 0.2579, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	88ECE6
RGB	136, 236, 230
RGB Percent	53%, 93%, 90%
CMY	0.4666, 0.0745, 0.0980
CMYK	0.42, 0.00, 0.03, 0.07
HSL	176°, 72%, 73%
HSV	176°, 42%, 93%
XYZ	54.4332, 70.9383, 85.6916
YIQ	205.4160, -57.6740, -23.0660

Conversions

Conversions Part 2

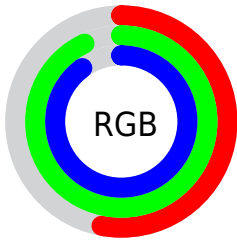
Format	Color
R_{YB}	136, 188, 236
Decimal	8973542
CIE _{Lab}	87.46, -30.71, -6.28
CIE _{LCh}	87, 31.343, 191.562
Yxy	70.9383, 0.2579, 0.3361
Android (android.graphics.Color)	4287163622 (0xFF88ECE6)
YUV	205.4160, 12.1199, -60.8778
Hunter-Lab	84.2249, -32.0319, -1.3651

Details

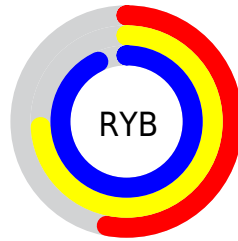
The Yxy color **70.9383, 0.2579, 0.3361** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.3974, 0.4164, 0.3225**, and the grayscale version is **61.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **37.3574, 0.2453, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **69.0985, 0.2486, 0.3380**, and if you desaturate by 10%, it is **73.2193, 0.2689, 0.3342**.

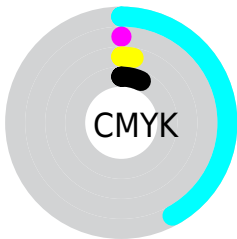
Distribution



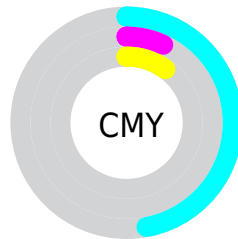
- Red (53%)
- Green (93%)
- Blue (90%)



- Red (53%)
- Yellow (74%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)




- Cyan (47%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9383, 0.2579, 0.3361 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 70.9383, 0.2579, 0.3361 by changing the saturation by 10% instead.

 70.9383, 0.2579,
0.3361

 70.9383, 0.2579,
0.3361


463.8377, 0.2830,
0.3332


 52.2918, 0.2522,
0.3366


 120.5459, 0.2666,
0.3352

 37.2378, 0.2453,
0.3373

 152.2758, 0.2699,
0.3348

 25.3916, 0.2365,
0.3380


 189.1356, 0.2729,
0.3345

 16.3691, 0.2252,
0.3387

231.5098, 0.2754,
0.3342

 9.7857, 0.2101,
0.3395

279.7827, 0.2777,
0.3339

 5.2571, 0.1888,
0.3399

334.3387, 0.2796,

 2.3989, 0.1572,

0.3337

395.5623, 0.2814,
0.3334

0.3392

0.8253, 0.0155,
0.3671

0.0000, 0.0000,
0.0000

70.9383, 0.2579,
0.3361

70.9383, 0.2579,
0.3361

69.0985, 0.2486,
0.3380

73.2193, 0.2689,
0.3342

67.6628, 0.2412,
0.3400

75.9594, 0.2813,
0.3325


66.6014, 0.2357,
0.3421

79.1855, 0.2948,
0.3308

65.8772, 0.2321,
0.3441

82.9202, 0.3092,
0.3293


 65.4453, 0.2303,
0.3461


 87.1845, 0.3242,
0.3280

 65.2586, 0.2299,
0.3476

 87.4547, 0.3239,
0.3266

 87.5384, 0.3230,
0.3252

 87.6228, 0.3221,
0.3238

 87.7078, 0.3212,
0.3225

Harmonies

Analogous

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



70.9383, 0.2873, 0.3718



70.9383, 0.2579, 0.3361



70.9383, 0.2432, 0.3008

Triad

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



70.9383, 0.2579, 0.3361



70.9383, 0.2972, 0.2727



70.9383, 0.3838, 0.3780

Complementary

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



70.9383, 0.2579, 0.3361



37.3974, 0.4164, 0.3225

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.



70.9383, 0.3877, 0.3498



70.9383, 0.2579, 0.3361



70.9383, 0.3359, 0.2912

Square

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



70.9383, 0.2579, 0.3361



70.9383, 0.2647, 0.2670



70.9383, 0.3698, 0.3186



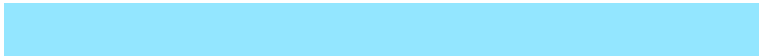
70.9383, 0.3602, 0.3955

Rectangle

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



70.9383, 0.2579, 0.3361



70.9383, 0.2429, 0.2830



70.9383, 0.3698, 0.3186



70.9383, 0.3875, 0.3694

Sweetspot

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



70.9411, 0.2579, 0.3361



94.1186, 0.2939, 0.3309



67.5810, 0.3105, 0.4590



19.9537, 0.2908, 0.3313



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.



70.9411, 0.2579, 0.3361



82.6042, 0.2496, 0.3378



49.2865, 0.2459, 0.2736



17.1054, 0.2989, 0.3304



35.9778, 0.2298, 0.3473



2.8299, 0.2290, 0.3445

Inverse Universe

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



37.3974, 0.4164, 0.3225



37.6010, 0.4513, 0.3215



51.9878, 0.4013, 0.3777



15.0687, 0.3284, 0.3276



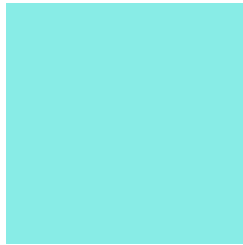
9.8536, 0.6336, 0.3264



0.7789, 0.6167, 0.3171

Previews

White Background



This preview shows how the Yxy color 70.9383, 0.2579, 0.3361 looks on a white background.

Color Contrast Check

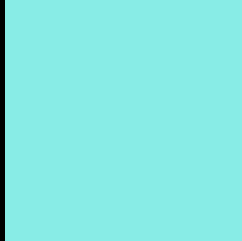
Large Text (above 18pt) WCAG AA × Fail

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 70.9383, 0.2579, 0.3361 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 70.9383, 0.2579, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 70.9383, 0.2579, 0.3361.

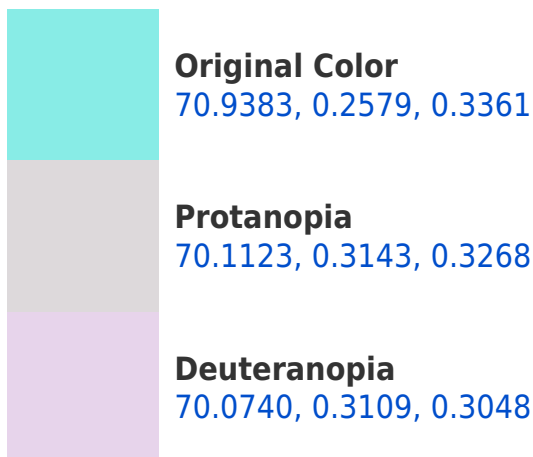


This preview shows how white text looks on a background with the Yxy color 70.9383, 0.2579, 0.3361.

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

70.9936, 0.2502, 0.3078

Trichromacy



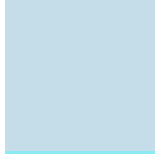
Original Color

70.9383, 0.2579, 0.3361



Protanomaly

69.5862, 0.2904, 0.3301



Deuteranomaly

69.3319, 0.2881, 0.3154



Tritanomaly

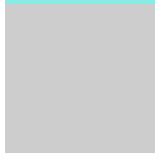
70.8922, 0.2532, 0.3182

Monochromacy



Original Color

70.9383, 0.2579, 0.3361



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.6701, 0.2889, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9383, 0.2579, 0.3361 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(136, 236, 230)` looks like.

```
.text, #text, p{  
    color:rgb(136, 236, 230)  
}
```

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(136, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 236, 230) }
```

Border

The CSS property to change the border of an element to Yxy 70.9383, 0.2579, 0.3361 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(136, 236, 230) }
```

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

```
.border{ border-color:rgb(136, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 236, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 236, 230); box-shadow:4px 4px 4px 4px rgb(136, 236, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9383, 0.2579, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 236, 230) }
```

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

```
.background{ background-color: rgb(136,  
236, 230) }
```

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