

Converting Colors

$Yxy(73.9485, 0.2951, 0.3353)$

Have a look what the booklet for
Yxy(73.9485, 0.2951, 0.3353)
contains.

Yxy(73.9812, 0.2951, 0.3357)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.9812, 0.2951, 0.3357)

Conversions

Conversions Part 1

Format	Color
Hex	C6E6E0
RGB	198, 230, 224
RGB Percent	78%, 90%, 88%
CMY	0.2236, 0.0980, 0.1216
CMYK	0.14, 0.00, 0.03, 0.10
HSL	169°, 39%, 84%
HSV	169°, 14%, 90%
XYZ	65.0338, 73.9812, 81.3639
YIQ	219.7480, -17.1460, -8.6500

Conversions

Conversions Part 2

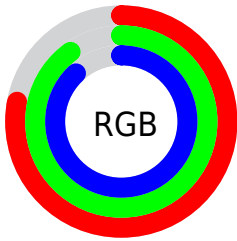
Format	Color
R_{YB}	198, 216, 230
Decimal	13035232
CIE _{Lab}	88.91, -11.62, -0.60
CIE _{LCh}	89, 11.637, 182.980
Yxy	73.9812, 0.2951, 0.3357
Android (android.graphics.Color)	4291225312 (0xFFC6E6E0)
YUV	219.7480, 2.0962, -19.0730
Hunter-Lab	86.0123, -15.5579, 4.1229

Details

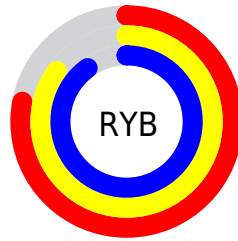
The Yxy color **73.9812, 0.2951, 0.3357** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.5625, 0.3337, 0.3224**, and the grayscale version is **71.3780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.0660, 0.2910, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **70.8611, 0.2832, 0.3411**, and if you desaturate by 10%, it is **77.5881, 0.3077, 0.3308**.

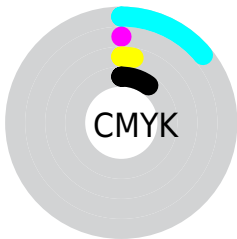
Distribution



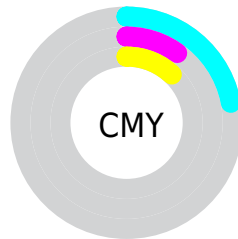
- Red (78%)
- Green (90%)
- Blue (88%)



- Red (78%)
- Yellow (85%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9812, 0.2951, 0.3357 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 73.9812, 0.2951, 0.3357 by changing the saturation by 10% instead.

■ 73.9812, 0.2951,
0.3357

■ 73.9812, 0.2951,
0.3357

474.4085, 0.3032,
0.3326

■ 54.7787, 0.2933,
0.3364

124.8692, 0.2979,
0.3346

■ 39.2245, 0.2910,
0.3372

157.3234, 0.2990,
0.3342

■ 26.9344, 0.2881,
0.3383

194.9636, 0.3000,
0.3339

■ 17.5240, 0.2843,
0.3397

238.1742, 0.3008,
0.3336

■ 10.6088, 0.2792,
0.3416

287.3396, 0.3015,
0.3333

■ 5.8044, 0.2718,
0.3444

342.8442, 0.3021,

■ 2.7265, 0.2603,

0.3330

0.3486

405.0723, 0.3027,
0.3328

0.9907, 0.2362,
0.3577

0.0000, 0.0000,
0.0000

73.9812, 0.2951,
0.3357

73.9812, 0.2951,
0.3357

70.8611, 0.2832,
0.3411

77.5881, 0.3077,
0.3308

68.1971, 0.2724,
0.3469


81.6924, 0.3206,
0.3264


65.9693, 0.2628,
0.3530

83.9727, 0.3255,
0.3222

64.1527, 0.2548,
0.3595


84.2285, 0.3226,
0.3180


 62.7196, 0.2486,
0.3662

 84.4905, 0.3198,
0.3138

 61.6391, 0.2443,
0.3731


 84.7587, 0.3171,
0.3097

 60.8753, 0.2420,
0.3799

 85.0330, 0.3143,
0.3056

 60.3845, 0.2415,
0.3868

 85.0804, 0.3138,
0.3049

 60.1781, 0.2419,
0.3909

Harmonies

Analogous

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



73.9812, 0.3076, 0.3469



73.9812, 0.2951, 0.3357



73.9812, 0.2874, 0.3228

Triad

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



73.9812, 0.2951, 0.3357



73.9812, 0.3034, 0.3062



73.9812, 0.3398, 0.3453

Complementary

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



73.9812, 0.2951, 0.3357



61.5625, 0.3337, 0.3224

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.



73.9812, 0.3387, 0.3343



73.9812, 0.2951, 0.3357



73.9812, 0.3175, 0.3121

Square

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



73.9812, 0.2951, 0.3357



73.9812, 0.2921, 0.3061



73.9812, 0.3305, 0.3222



73.9812, 0.3335, 0.3523

Rectangle

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



73.9812, 0.2951, 0.3357



73.9812, 0.2859, 0.3152



73.9812, 0.3305, 0.3222



73.9812, 0.3403, 0.3419

Sweetspot

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



73.9843, 0.2951, 0.3357



97.9936, 0.3075, 0.3308



73.5683, 0.3154, 0.3654



20.8964, 0.3066, 0.3312



0.0000, 0.0000, 0.0000



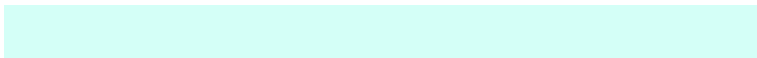
21.4041, 0.3127, 0.3290

Same Dimension

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



73.9843, 0.2951, 0.3357



92.1712, 0.2913, 0.3374



69.1141, 0.2912, 0.3181



16.2875, 0.3006, 0.3335



34.0825, 0.2416, 0.3898



2.5306, 0.2389, 0.3799

Inverse Universe

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



61.5625, 0.3337, 0.3224



73.3289, 0.3395, 0.3208



65.8122, 0.3369, 0.3396



14.4120, 0.3263, 0.3246



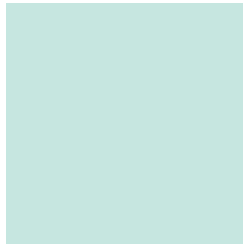
9.6372, 0.6101, 0.3134



0.7248, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 73.9812, 0.2951, 0.3357 looks on a white background.

Color Contrast Check

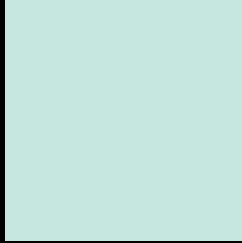
Large Text (above 18pt) WCAG AA × Fail

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 73.9812, 0.2951, 0.3357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

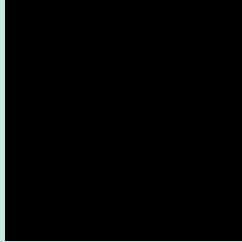
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

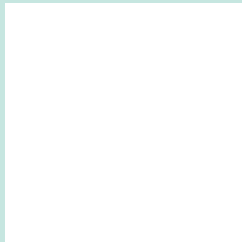
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.9812, 0.2951, 0.3357

Background



This preview shows how black text looks on a background with the Yxy color 73.9812, 0.2951, 0.3357.

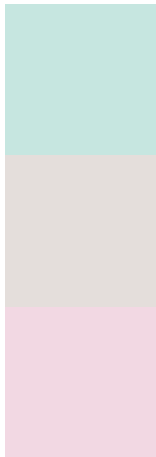


This preview shows how white text looks on a background with the Yxy color 73.9812, 0.2951, 0.3357.

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

73.9812, 0.2951, 0.3357

Protanopia

73.8510, 0.3190, 0.3322

Deuteranopia

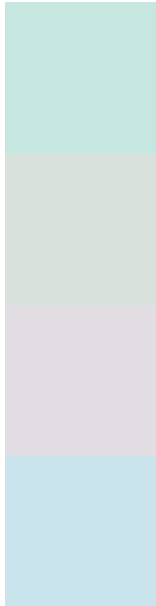
73.5350, 0.3242, 0.3177



Tritanopia

74.0873, 0.2852, 0.3094

Trichromacy



Original Color

73.9812, 0.2951, 0.3357

Protanomaly

73.8226, 0.3097, 0.3334

Deuteranomaly

73.3726, 0.3130, 0.3237

Tritanomaly

74.0187, 0.2893, 0.3190

Monochromacy



Original Color

73.9812, 0.2951, 0.3357

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.5288, 0.3063, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9812, 0.2951, 0.3357 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(198, 230, 224)` looks like.

```
.text, #text, p{  
    color:rgb(198, 230, 224)  
}
```

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(198, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 230, 224) }
```

Border

The CSS property to change the border of an element to Yxy 73.9812, 0.2951, 0.3357 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(198, 230, 224) }
```

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

```
.border{ border-color:rgb(198, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(198, 230,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9812, 0.2951, 0.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 230, 224) }
```

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

```
.background{ background-color: rgb(198,  
230, 224) }
```

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