

Converting Colors

$Yxy(71.8776, 0.2937, 0.3331)$

Have a look what the booklet for
Yxy(71.8776, 0.2937, 0.3331)
contains.

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Color

Yxy(71.8680, 0.2937, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	C3E3DF
RGB	195, 227, 223
RGB Percent	76%, 89%, 87%
CMY	0.2353, 0.1098, 0.1255
CMYK	0.14, 0.00, 0.02, 0.11
HSL	172°, 36%, 83%
HSV	172°, 14%, 89%
XYZ	63.2912, 71.8680, 80.3370
YIQ	216.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

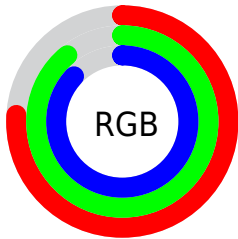
Format	Color
RYB	195, 212, 227
Decimal	12837855
CIELab	87.91, -11.24, -1.58
CIELCh	88, 11.355, 187.984
Yxy	71.8680, 0.2937, 0.3335
Android (android.graphics.Color)	4291027935 (0xFFC3E3DF)
YUV	216.9760, 2.9698, -19.2730
Hunter-Lab	84.7750, -15.0919, 3.1563

Details

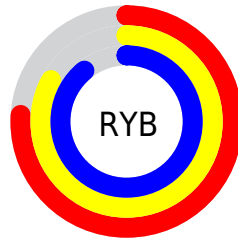
The Yxy color **71.8680, 0.2937, 0.3335** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4851, 0.3356, 0.3246**, and the grayscale version is **69.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **37.9949, 0.2892, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **68.9210, 0.2811, 0.3371**, and if you desaturate by 10%, it is **75.2833, 0.3071, 0.3302**.

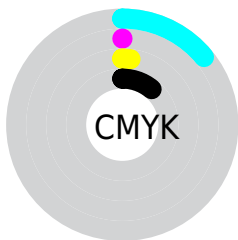
Distribution



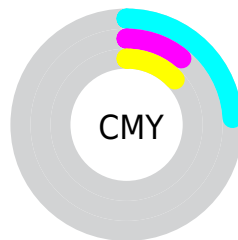
- Red (76%)
- Green (89%)
- Blue (87%)



- Red (76%)
- Yellow (83%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (24%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8680, 0.2937, 0.3335 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 71.8680, 0.2937, 0.3335 by changing the saturation by 10% instead.

 71.8680, 0.2937,
0.3335

 71.8680, 0.2937,
0.3335


467.0820, 0.3025,
0.3315

 53.0509, 0.2917,
0.3340


 121.8688, 0.2968,
0.3328

 37.8434, 0.2892,
0.3345


153.8213, 0.2979,
0.3325

 25.8611, 0.2861,
0.3352


190.9211, 0.2990,
0.3323

 16.7198, 0.2819,
0.3361

233.5524, 0.2999,
0.3321

 10.0349, 0.2763,
0.3374

282.0998, 0.3006,
0.3319

 5.4221, 0.2682,
0.3391

336.9476, 0.3013,

 2.4970, 0.2554,

0.3317

0.3417

398.4802, 0.3019,
0.3316

0.8751, 0.2230,
0.3502

0.0000, 0.0000,
0.0000

71.8680, 0.2937,
0.3335

71.8680, 0.2937,
0.3335

68.9210, 0.2811,
0.3371

75.2833, 0.3071,
0.3302

66.4125, 0.2696,
0.3409


79.1773, 0.3209,
0.3273


64.3233, 0.2595,
0.3449


82.0027, 0.3293,
0.3246

62.6292, 0.2510,
0.3491


82.1657, 0.3274,
0.3217

 61.3034, 0.2444,
0.3535


 82.3313, 0.3255,
0.3189


 60.3159, 0.2396,
0.3579

 82.4996, 0.3237,
0.3162


 59.6319, 0.2369,
0.3623

 82.6705, 0.3218,
0.3134

 59.2090, 0.2359,
0.3667

 82.8442, 0.3199,
0.3106

 59.0421, 0.2359,
0.3693

 83.0205, 0.3181,
0.3079

Harmonies

Analogous

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



71.8680, 0.3054, 0.3451



71.8680, 0.2937, 0.3335



71.8680, 0.2871, 0.3209

Triad

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



71.8680, 0.2937, 0.3335



71.8680, 0.3058, 0.3071



71.8680, 0.3388, 0.3465

Complementary

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



71.8680, 0.2937, 0.3335



59.4851, 0.3356, 0.3246

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.



71.8680, 0.3390, 0.3361



71.8680, 0.2937, 0.3335



71.8680, 0.3197, 0.3137

Square

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



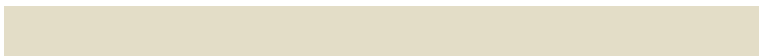
71.8680, 0.2937, 0.3335



71.8680, 0.2940, 0.3060



71.8680, 0.3320, 0.3242



71.8680, 0.3315, 0.3525

Rectangle

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



71.8680, 0.2937, 0.3335



71.8680, 0.2864, 0.3138



71.8680, 0.3320, 0.3242



71.8680, 0.3398, 0.3434

Sweetspot

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



71.8710, 0.2937, 0.3335



98.0343, 0.3072, 0.3302



71.0607, 0.3139, 0.3660



20.9067, 0.3061, 0.3305



0.0000, 0.0000, 0.0000



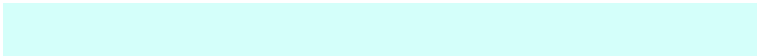
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8710, 0.2937, 0.3335



92.3392, 0.2898, 0.3345



65.8867, 0.2909, 0.3155



16.3036, 0.2998, 0.3320



34.4429, 0.2357, 0.3686



2.5540, 0.2340, 0.3622

Inverse Universe

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



59.4851, 0.3356, 0.3246



73.1869, 0.3415, 0.3236



64.7689, 0.3369, 0.3421



14.3973, 0.3273, 0.3261



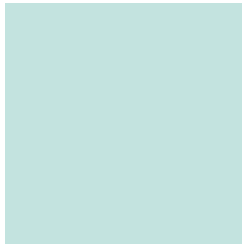
9.5838, 0.6238, 0.3210



0.7178, 0.5916, 0.3033

Previews

White Background



This preview shows how the Yxy color 71.8680, 0.2937, 0.3335 looks on a white background.

Color Contrast Check

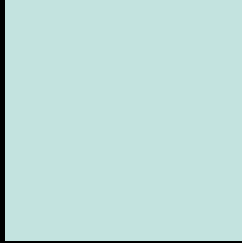
Large Text (above 18pt) WCAG AA × Fail

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 71.8680, 0.2937, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

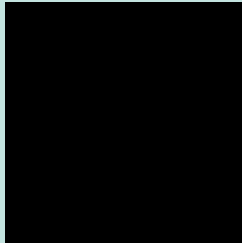
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

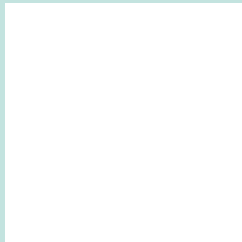
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8680, 0.2937, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 71.8680, 0.2937, 0.3335.



This preview shows how white text looks on a background with the Yxy color 71.8680, 0.2937, 0.3335.

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

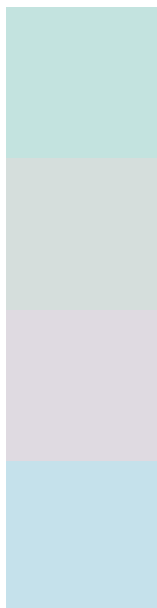




Tritanopia

71.7279, 0.2843, 0.3091

Trichromacy



Original Color

71.8680, 0.2937, 0.3335

Protanomaly

71.5560, 0.3077, 0.3312

Deuteranomaly

71.2670, 0.3116, 0.3214

Tritanomaly

71.7189, 0.2878, 0.3178

Monochromacy



Original Color

71.8680, 0.2937, 0.3335

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.3827, 0.3056, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8680, 0.2937, 0.3335 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(195, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(195, 227, 223)  
}
```

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(195, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 71.8680, 0.2937, 0.3335 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(195, 227, 223) }
```

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

```
.border{ border-color:rgb(195, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 227, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 227, 223); box-shadow:4px 4px 4px 4px rgb(195, 227, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8680, 0.2937, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 227, 223) }
```

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

```
.background{ background-color: rgb(195,  
227, 223) }
```

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](#).

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