

Converting Colors

$Yxy(81.1210, 0.2908, 0.3330)$

Have a look what the booklet for
Yxy(81.1210, 0.2908, 0.3330)
contains.

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Color

Yxy(80.9329, 0.2910, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	CAF0EC
RGB	202, 240, 236
RGB Percent	79%, 94%, 93%
CMY	0.2077, 0.0588, 0.0746
CMYK	0.16, 0.00, 0.02, 0.06
HSL	174°, 56%, 87%
HSV	174°, 16%, 94%
XYZ	70.6615, 80.9329, 91.2286
YIQ	228.1820, -21.3640, -9.3000

Conversions

Conversions Part 2

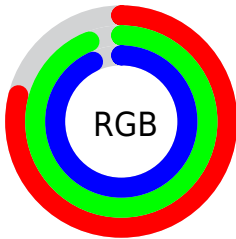
Format	Color
R _{YB}	202, 222, 240
Decimal	13299948
CIE _{Lab}	92.10, -13.00, -2.16
CIE _{LCh}	92, 13.184, 189.451
Yxy	80.9329, 0.2910, 0.3333
Android (android.graphics.Color)	4291490028 (0xFFCAF0EC)
YUV	228.1820, 3.8543, -22.9616
Hunter-Lab	89.9627, -17.2314, 2.8496

Details

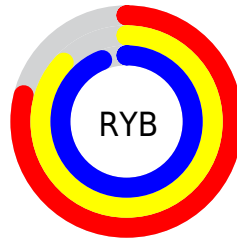
The Yxy color **80.9329, 0.2910, 0.3333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2453, 0.3395, 0.3248**, and the grayscale version is **77.7118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7793, 0.2859, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **77.6967, 0.2783, 0.3363**, and if you desaturate by 10%, it is **84.6986, 0.3045, 0.3305**.

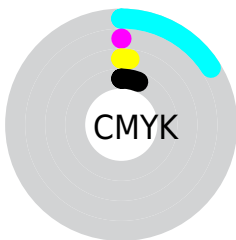
Distribution



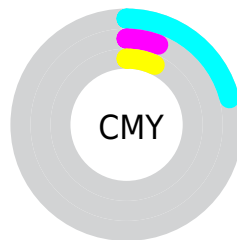
- Red (79%)
- Green (94%)
- Blue (93%)



- Red (79%)
- Yellow (87%)
- Blue (94%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (21%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9329, 0.2910, 0.3333 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 80.9329, 0.2910, 0.3333 by changing the saturation by 10% instead.

80.9329, 0.2910,
0.3333

80.9329, 0.2910,
0.3333

498.0712, 0.3008,
0.3314

60.4863, 0.2888,
0.3337

134.6765, 0.2944,
0.3327

43.8108, 0.2861,
0.3342

168.7424, 0.2957,
0.3324

30.5218, 0.2828,
0.3348

208.1169, 0.2968,
0.3322

20.2350, 0.2784,
0.3356

253.1842, 0.2978,
0.3320

12.5660, 0.2726,
0.3366

304.3290, 0.2987,
0.3318

7.1303, 0.2645,
0.3380

361.9355, 0.2995,

3.5438, 0.2522,

0.3317

0.3399

426.3881, 0.3002,
0.3315

1.4218, 0.2317,
0.3428

0.2327, 0.0000,
0.3651

80.9329, 0.2910,
0.3333

80.9329, 0.2910,
0.3333

77.6967, 0.2783,
0.3363

84.6986, 0.3045,
0.3305

74.9560, 0.2668,
0.3396


89.0061, 0.3187,
0.3280


72.6881, 0.2568,
0.3430


90.0879, 0.3204,
0.3255

70.8649, 0.2485,
0.3466

90.2435, 0.3188,
0.3231

 69.4552, 0.2420,
0.3503


 90.4013, 0.3172,
0.3206

 68.4236, 0.2375,
0.3540


 90.5612, 0.3157,
0.3182

 67.7290, 0.2350,
0.3577

 90.7232, 0.3141,
0.3157

 67.3205, 0.2341,
0.3613

 90.7997, 0.3134,
0.3146

 67.2009, 0.2341,
0.3628

Harmonies

Analogous

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



80.9329, 0.3038, 0.3464



80.9329, 0.2910, 0.3333



80.9329, 0.2840, 0.3193

Triad

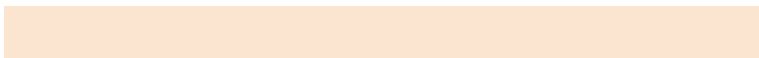
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9329, 0.2910, 0.3333



80.9329, 0.3057, 0.3049



80.9329, 0.3417, 0.3490

Complementary

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



80.9329, 0.2910, 0.3333



65.2453, 0.3395, 0.3248

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.



80.9329, 0.3423, 0.3375



80.9329, 0.2910, 0.3333



80.9329, 0.3213, 0.3125

Square

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



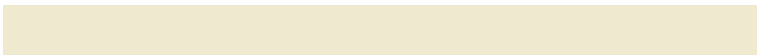
80.9329, 0.2910, 0.3333



80.9329, 0.2923, 0.3033



80.9329, 0.3348, 0.3243



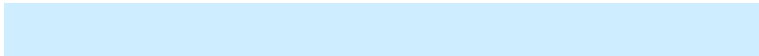
80.9329, 0.3331, 0.3554

Rectangle

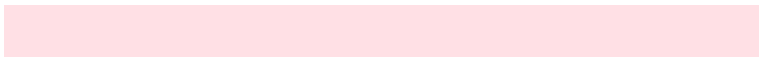
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



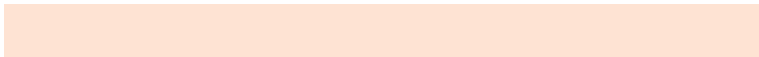
80.9329, 0.2910, 0.3333



80.9329, 0.2835, 0.3115



80.9329, 0.3348, 0.3243



80.9329, 0.3428, 0.3456

Sweetspot

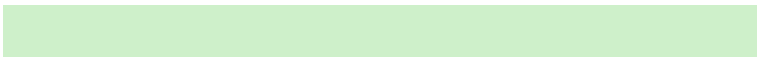
The Sweet Spot groups the original color and five complimentary colors.



80.9363, 0.2910, 0.3333



97.5746, 0.3057, 0.3303



79.7750, 0.3136, 0.3712



20.8147, 0.3047, 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.



80.9363, 0.2910, 0.3333



91.6137, 0.2868, 0.3343



72.9469, 0.2881, 0.3130



17.8983, 0.2995, 0.3315



36.7990, 0.2340, 0.3622



3.0696, 0.2326, 0.3574

Inverse Universe

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



65.2453, 0.3395, 0.3248



70.4060, 0.3463, 0.3239



72.2069, 0.3402, 0.3445



15.7861, 0.3277, 0.3265



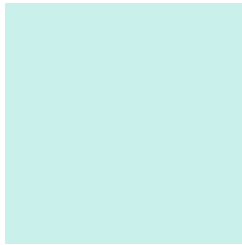
10.1898, 0.6275, 0.3230



0.8567, 0.6016, 0.3088

Previews

White Background



This preview shows how the Yxy color 80.9329, 0.2910, 0.3333 looks on a white background.

Color Contrast Check

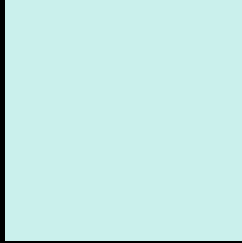
Large Text (above 18pt) WCAG AA × Fail

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 80.9329, 0.2910, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

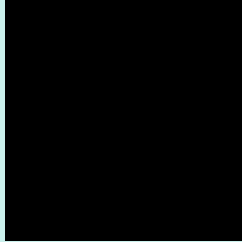
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

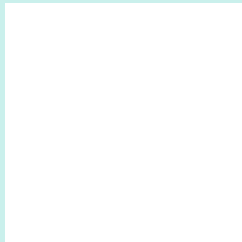
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9329, 0.2910, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 80.9329, 0.2910, 0.3333.

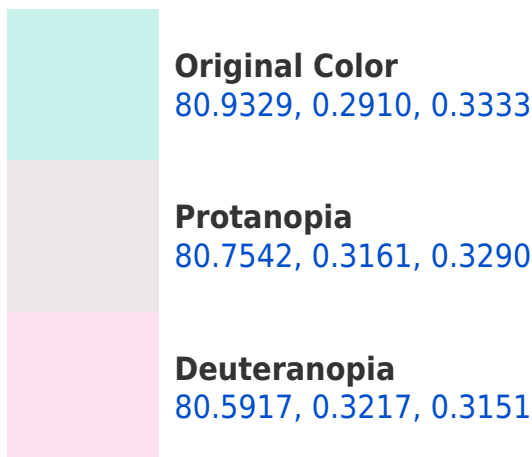


This preview shows how white text looks on a background with the Yxy color 80.9329, 0.2910, 0.3333.

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

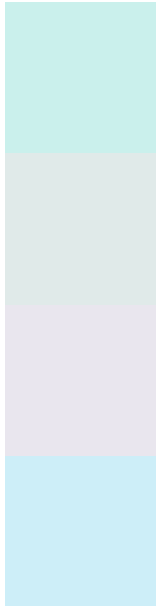




Tritanopia

81.0538, 0.2833, 0.3100

Trichromacy



Original Color

80.9329, 0.2910, 0.3333

Protanomaly

80.5761, 0.3067, 0.3300

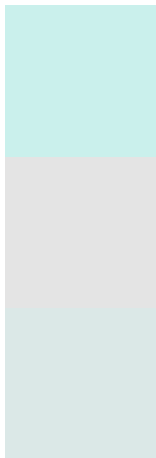
Deuteranomaly

80.0903, 0.3097, 0.3208

Tritanomaly

80.9055, 0.2860, 0.3183

Monochromacy



Original Color

80.9329, 0.2910, 0.3333

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.5428, 0.3046, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9329, 0.2910, 0.3333 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(202, 240, 236)` looks like.

```
.text, #text, p{  
    color:rgb(202, 240, 236)  
}
```

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(202, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 240, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.9329, 0.2910, 0.3333 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(202, 240, 236) }
```

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

```
.border{ border-color:rgb(202, 240, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 240, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 240, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 240, 236); box-shadow:4px 4px 4px 4px rgb(202, 240, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9329, 0.2910, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 240, 236) }
```

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

```
.background{ background-color: rgb(202,  
240, 236) }
```

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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