

Converting Colors

$Yxy(71.7501, 0.2814, 0.3344)$

Have a look what the booklet for
Yxy(71.7501, 0.2814, 0.3344)
contains.

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Color

Yxy(71.5496, 0.2815, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6E2
RGB	178, 230, 226
RGB Percent	70%, 90%, 89%
CMY	0.3018, 0.0981, 0.1136
CMYK	0.23, 0.00, 0.02, 0.10
HSL	175°, 51%, 80%
HSV	175°, 23%, 90%
XYZ	60.3934, 71.5496, 82.5985
YIQ	213.9960, -29.7080, -12.2680

Conversions

Conversions Part 2

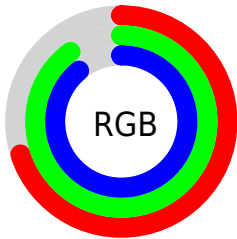
Format	Color
RYB	178, 205, 230
Decimal	11724514
CIELab	87.75, -17.35, -3.52
CIElCh	88, 17.704, 191.475
Yxy	71.5496, 0.2815, 0.3335
Android (android.graphics.Color)	4289914594 (0xFFB2E6E2)
YUV	213.9960, 5.9180, -31.5685
Hunter-Lab	84.5870, -20.5818, 1.3147

Details

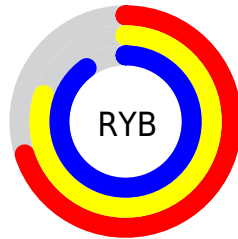
The Yxy color **71.5496, 0.2815, 0.3335** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.0556, 0.3555, 0.3246**, and the grayscale version is **67.2240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **37.4975, 0.2739, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **68.9595, 0.2693, 0.3358**, and if you desaturate by 10%, it is **74.6026, 0.2948, 0.3314**.

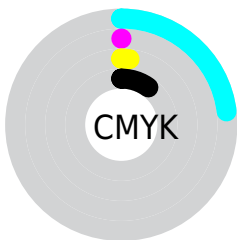
Distribution



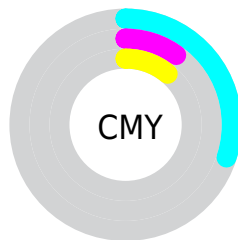
- Red (70%)
- Green (90%)
- Blue (89%)



- Red (70%)
- Yellow (80%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)




- Cyan (30%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5496, 0.2815, 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 71.5496, 0.2815, 0.3335 by changing the saturation by 10% instead.


 71.5496, 0.2815,
0.3335

 71.5496, 0.2815,
0.3335

465.9724, 0.2959,
0.3316

 52.7908, 0.2782,
0.3339


 121.4160, 0.2865,
0.3329

 37.6358, 0.2742,
0.3344


153.2924, 0.2884,
0.3326

 25.7002, 0.2691,
0.3350


190.3101, 0.2901,
0.3324

 16.5995, 0.2624,
0.3357

232.8535, 0.2916,
0.3322

 9.9493, 0.2534,
0.3367

281.3071, 0.2928,
0.3320

 5.3654, 0.2404,
0.3378

336.0551, 0.2940,

 2.4632, 0.2203,

0.3318

397.4821, 0.2950,
0.3317

0.3392

0.8581, 0.1602,
0.3506

0.0000, 0.0000,
0.0000

71.5496, 0.2815,
0.3335

71.5496, 0.2815,
0.3335

68.9595, 0.2693,
0.3358

74.6026, 0.2948,
0.3314

66.8009, 0.2585,
0.3382


78.1310, 0.3090,
0.3295

65.0520, 0.2494,
0.3406

82.1575, 0.3236,
0.3277


63.6857, 0.2421,
0.3432


83.7365, 0.3280,
0.3260

 62.6715, 0.2367,
0.3458


 83.8374, 0.3269,
0.3243


 61.9743, 0.2333,
0.3484


 83.9393, 0.3257,
0.3226

 61.5518, 0.2317,
0.3510

 84.0421, 0.3246,
0.3209

 61.3662, 0.2314,
0.3529

 84.1460, 0.3234,
0.3191

 84.2509, 0.3223,
0.3174

Harmonies

Analogous

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



71.5496, 0.2987, 0.3525



71.5496, 0.2815, 0.3335



71.5496, 0.2726, 0.3139

Triad

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



71.5496, 0.2815, 0.3335



71.5496, 0.3042, 0.2961



71.5496, 0.3528, 0.3575

Complementary

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



71.5496, 0.2815, 0.3335



52.0556, 0.3555, 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.



71.5496, 0.3546, 0.3418



71.5496, 0.2815, 0.3335



71.5496, 0.3260, 0.3071

Square

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



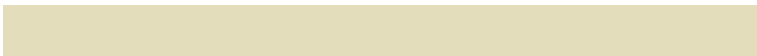
71.5496, 0.2815, 0.3335



71.5496, 0.2853, 0.2932



71.5496, 0.3447, 0.3235



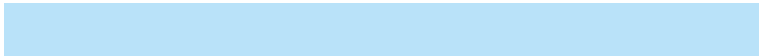
71.5496, 0.3400, 0.3663

Rectangle

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



71.5496, 0.2815, 0.3335



71.5496, 0.2723, 0.3034



71.5496, 0.3447, 0.3235



71.5496, 0.3547, 0.3528

Sweetspot

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



71.5525, 0.2815, 0.3335



96.6829, 0.3026, 0.3303



69.7963, 0.3127, 0.3917



20.6360, 0.3017, 0.3304



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.



71.5525, 0.2815, 0.3335



88.8641, 0.2758, 0.3345



60.4629, 0.2773, 0.3033



16.3164, 0.2992, 0.3308



34.7522, 0.2312, 0.3525



2.5738, 0.2302, 0.3487

Inverse Universe

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



52.0556, 0.3555, 0.3246



60.2205, 0.3670, 0.3237



61.2014, 0.3537, 0.3534



14.3858, 0.3281, 0.3272



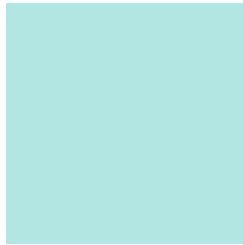
9.5549, 0.6315, 0.3253



0.7123, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 71.5496, 0.2815, 0.3335 looks on a white background.

Color Contrast Check

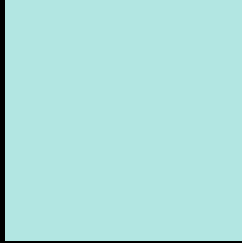
Large Text (above 18pt) WCAG AA × Fail

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 71.5496, 0.2815, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

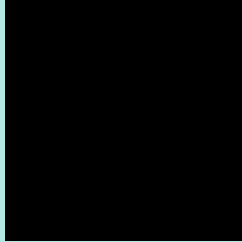
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

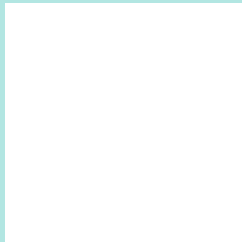
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5496, 0.2815, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 71.5496, 0.2815, 0.3335.

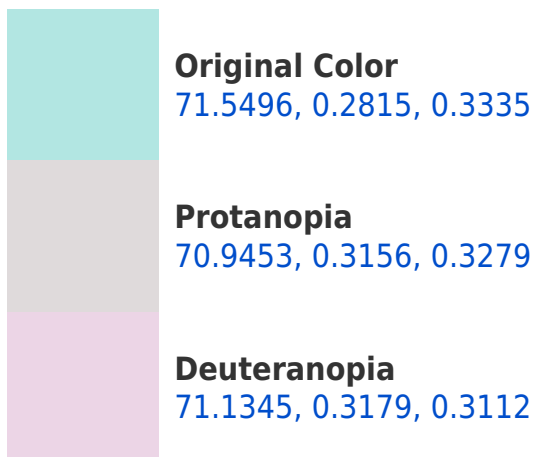


This preview shows how white text looks on a background with the Yxy color 71.5496, 0.2815, 0.3335.

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

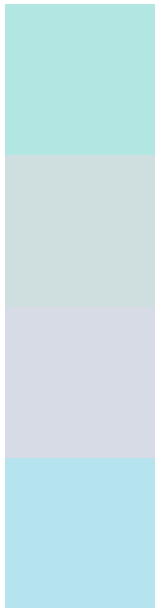




Tritanopia

71.4758, 0.2731, 0.3087

Trichromacy



Original Color

71.5496, 0.2815, 0.3335

Protanomaly

70.7819, 0.3023, 0.3290

Deuteranomaly

70.7673, 0.3034, 0.3181

Tritanomaly

71.4836, 0.2764, 0.3175

Monochromacy



Original Color

71.5496, 0.2815, 0.3335

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.6659, 0.3007, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5496, 0.2815, 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(178, 230, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 226)  
}
```

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(178, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 226) }
```

Border

The CSS property to change the border of an element to Yxy 71.5496, 0.2815, 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(178, 230, 226) }
```

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

```
.border{ border-color:rgb(178, 230, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 230, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 230, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 230, 226); box-shadow:4px 4px 4px 4px rgb(178, 230, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5496, 0.2815, 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(178, 230, 226) }
```

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

```
.background{ background-color: rgb(178,  
230, 226) }
```

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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