

Converting Colors

$Yxy(71.4857, 0.2843, 0.3368)$

Have a look what the booklet for
Yxy(71.4857, 0.2843, 0.3368)
contains.

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Color

Yxy(71.6246, 0.2844, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	B4E6DF
RGB	180, 230, 223
RGB Percent	71%, 90%, 87%
CMY	0.2940, 0.0981, 0.1254
CMYK	0.22, 0.00, 0.03, 0.10
HSL	172°, 50%, 80%
HSV	172°, 22%, 90%
XYZ	60.4452, 71.6246, 80.4661
YIQ	214.2520, -27.5530, -12.7770

Conversions

Conversions Part 2

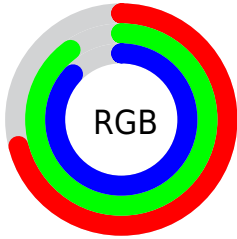
Format	Color
R_{YB}	180, 207, 230
Decimal	11855583
CIE _{Lab}	87.79, -17.38, -1.88
CIE _{LCh}	88, 17.485, 186.160
Yxy	71.6246, 0.2844, 0.3370
Android (android.graphics.Color)	4290045663 (0xFFB4E6DF)
YUV	214.2520, 4.3128, -30.0390
Hunter-Lab	84.6313, -20.6169, 2.8699

Details

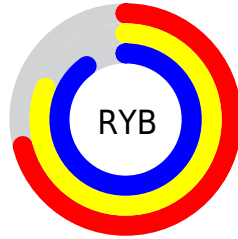
The Yxy color **71.6246, 0.2844, 0.3370** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.0643, 0.3507, 0.3212**, and the grayscale version is **67.4137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **37.5349, 0.2775, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **68.9203, 0.2728, 0.3412**, and if you desaturate by 10%, it is **74.7961, 0.2970, 0.3331**.

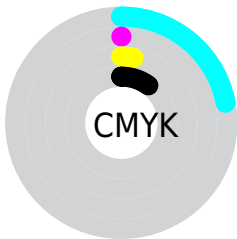
Distribution



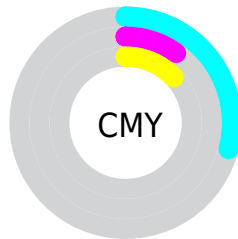
- Red (71%)
- Green (90%)
- Blue (87%)



- Red (71%)
- Yellow (81%)
- Blue (90%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)




- Cyan (29%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6246, 0.2844, 0.3370 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 71.6246, 0.2844, 0.3370 by changing the saturation by 10% instead.

 71.6246, 0.2844,
0.3370

 71.6246, 0.2844,
0.3370


466.2339, 0.2975,
0.3334

 52.8521, 0.2814,
0.3378


 121.5227, 0.2889,
0.3358

 37.6847, 0.2777,
0.3388

153.4170, 0.2907,
0.3353

 25.7381, 0.2731,
0.3401

190.4540, 0.2922,
0.3348

 16.6278, 0.2670,
0.3417


233.0182, 0.2935,
0.3345

 9.9695, 0.2586,
0.3438

281.4939, 0.2947,
0.3342

 5.3787, 0.2467,
0.3468

336.2655, 0.2957,

 2.4711, 0.2280,

0.3339

0.3513

397.7173, 0.2967,
0.3336

0.8621, 0.1695,
0.3699

0.0000, 0.0000,
0.0000

71.6246, 0.2844,
0.3370

71.6246, 0.2844,
0.3370

68.9203, 0.2728,
0.3412

74.7961, 0.2970,
0.3331

66.6517, 0.2624,
0.3457

78.4470, 0.3104,
0.3296

64.7974, 0.2537,
0.3503

82.6000, 0.3241,
0.3264

63.3303, 0.2466,
0.3552

83.9001, 0.3262,
0.3233

■ 62.2204, 0.2416,
0.3601

■ 84.0882, 0.3241,
0.3201

■ 61.4330, 0.2384,
0.3651

■ 84.2798, 0.3220,
0.3170

■ 60.9267, 0.2372,
0.3700

■ 84.4747, 0.3199,
0.3139

■ 60.6643, 0.2372,
0.3740

■ 84.6730, 0.3178,
0.3108

■ 84.8747, 0.3158,
0.3078

Harmonies

Analogous

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



71.6246, 0.3025, 0.3550



71.6246, 0.2844, 0.3370



71.6246, 0.2739, 0.3173

Triad

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



71.6246, 0.2844, 0.3370



71.6246, 0.3007, 0.2954



71.6246, 0.3535, 0.3548

Complementary

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



71.6246, 0.2844, 0.3370



53.0643, 0.3507, 0.3212

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.



71.6246, 0.3531, 0.3385



71.6246, 0.2844, 0.3370



71.6246, 0.3221, 0.3050

Square

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



71.6246, 0.2844, 0.3370



71.6246, 0.2830, 0.2941



71.6246, 0.3415, 0.3205



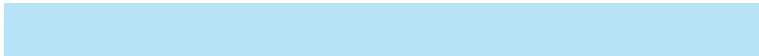
71.6246, 0.3426, 0.3650

Rectangle

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



71.6246, 0.2844, 0.3370



71.6246, 0.2724, 0.3062



71.6246, 0.3415, 0.3205



71.6246, 0.3547, 0.3498

Sweetspot

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



71.6275, 0.2844, 0.3370



96.6109, 0.3032, 0.3314



70.5193, 0.3150, 0.3886



20.6193, 0.3024, 0.3316



0.0000, 0.0000, 0.0000



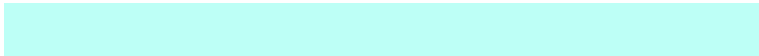
21.4041, 0.3127, 0.3290

Same Dimension

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



71.6275, 0.2844, 0.3370



88.9387, 0.2791, 0.3388



62.7610, 0.2790, 0.3084



16.3000, 0.3000, 0.3323



34.3595, 0.2370, 0.3733



2.5486, 0.2350, 0.3661

Inverse Universe

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



53.0643, 0.3507, 0.3212



61.6013, 0.3608, 0.3195



60.2867, 0.3526, 0.3488



14.4006, 0.3271, 0.3257



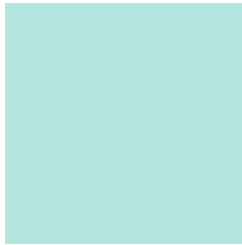
9.5940, 0.6211, 0.3195



0.7194, 0.5868, 0.3006

Previews

White Background



This preview shows how the Yxy color 71.6246, 0.2844, 0.3370 looks on a white background.

Color Contrast Check

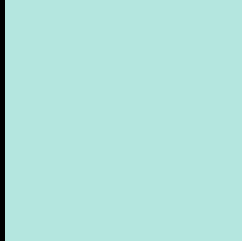
Large Text (above 18pt) WCAG AA × Fail

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 71.6246, 0.2844, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

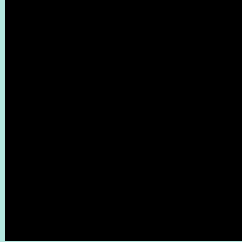
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

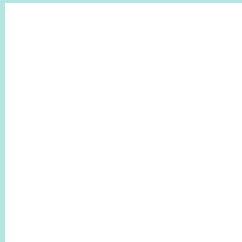
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6246, 0.2844, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 71.6246, 0.2844, 0.3370.

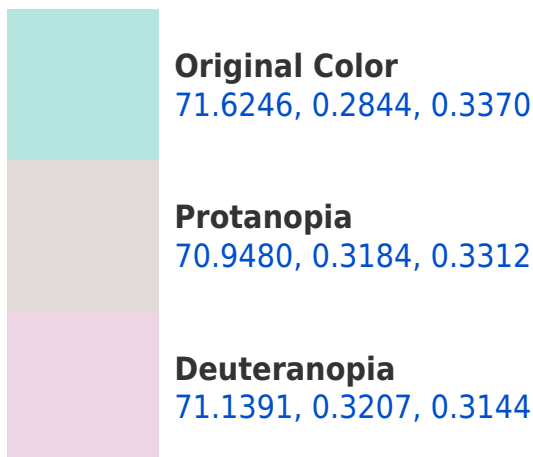


This preview shows how white text looks on a background with the Yxy color 71.6246, 0.2844, 0.3370.

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

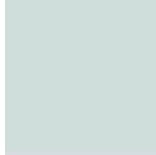
71.7211, 0.2743, 0.3087

Trichromacy



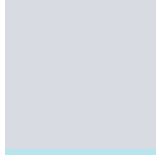
Original Color

71.6246, 0.2844, 0.3370



Protanomaly

70.7669, 0.3049, 0.3323



Deuteranomaly

70.7530, 0.3060, 0.3213



Tritanomaly

71.6685, 0.2782, 0.3187

Monochromacy



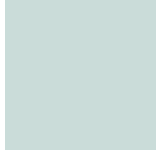
Original Color

71.6246, 0.2844, 0.3370



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.7527, 0.3020, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6246, 0.2844, 0.3370 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(180, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(180, 230, 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(180, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 230, 223) }
```

Border

The CSS property to change the border of an element to Yxy 71.6246, 0.2844, 0.3370 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(180, 230, 223) }
```

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

```
.border{ border-color:rgb(180, 230, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 230, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(180, 230,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6246, 0.2844, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 230, 223) }
```

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

```
.background{ background-color: rgb(180,  
230, 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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