

Converting Colors

$Yxy(71.4913, 0.2848, 0.3168)$

Have a look what the booklet for
Yxy(71.4913, 0.2848, 0.3168)
contains.

Yxy(71.2440, 0.2847, 0.3166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.2440, 0.2847, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	C1E1EC
RGB	193, 225, 236
RGB Percent	76%, 88%, 93%
CMY	0.2429, 0.1177, 0.0746
CMYK	0.18, 0.05, 0.00, 0.07
HSL	195°, 53%, 84%
HSV	195°, 18%, 93%
XYZ	64.0656, 71.2440, 89.7188
YIQ	216.6860, -22.6030, -3.3630

Conversions

Conversions Part 2

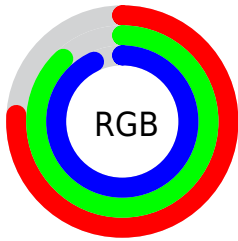
Format	Color
R _{YB}	193, 211, 236
Decimal	12706284
CIE Lab	87.60, -8.17, -8.87
CIE LCh	88, 12.064, 227.362
Yxy	71.2440, 0.2847, 0.3166
Android (android.graphics.Color)	4290896364 (0xFFC1E1EC)
YUV	216.6860, 9.5218, -20.7726
Hunter-Lab	84.4062, -12.2265, -3.9375

Details

The Yxy color **71.2440, 0.2847, 0.3166** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8897, 0.3460, 0.3411**, and the grayscale version is **69.1142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **37.5337, 0.2784, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **65.1790, 0.2697, 0.3089**, and if you desaturate by 10%, it is **77.9253, 0.3001, 0.3237**.

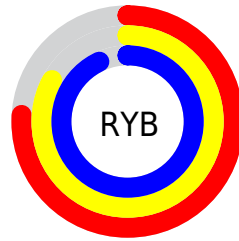
Distribution



Red (76%)

Green (88%)

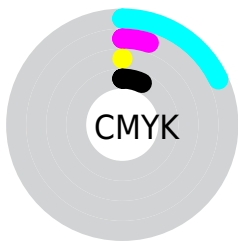
Blue (93%)



Red (76%)

Yellow (83%)

Blue (93%)

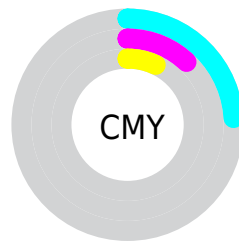


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (24%)

Magenta (12%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2440, 0.2847, 0.3166 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 71.2440, 0.2847, 0.3166 by changing the saturation by 10% instead.

■ 71.2440, 0.2847,
0.3166

■ 71.2440, 0.2847,
0.3166

■ 464.9059, 0.2976,
0.3225

■ 52.5413, 0.2818,
0.3152

■ 120.9811, 0.2892,
0.3187

■ 37.4368, 0.2782,
0.3135

■ 152.7843, 0.2909,
0.3195

■ 25.5458, 0.2736,
0.3113

■ 189.7232, 0.2924,
0.3202

■ 16.4842, 0.2676,
0.3083

■ 232.1821, 0.2937,
0.3207

■ 9.8674, 0.2596,
0.3043

■ 280.5454, 0.2949,
0.3213

■ 5.3111, 0.2480,
0.2982

■ 335.1976, 0.2959,

■ 2.4310, 0.2302,

0.3217

0.2883

396.5229, 0.2968,
0.3221

0.8417, 0.1937,
0.2715

0.0000, 0.0000,
0.0000

71.2440, 0.2847,
0.3166

71.2440, 0.2847,
0.3166

65.1790, 0.2697,
0.3089

77.9253, 0.3001,
0.3237

59.6970, 0.2554,
0.3005

85.2372, 0.3155,
0.3301

54.7743, 0.2422,
0.2917

91.4871, 0.3249,
0.3360

50.3821, 0.2304,
0.2824

95.1652, 0.3243,
0.3418

■ 46.4885, 0.2202,
0.2729

■ 98.8352, 0.3238,
0.3474

■ 43.0570, 0.2120,
0.2633

■ 40.0454, 0.2057,
0.2536

■ 37.3941, 0.2014,
0.2441

■ 36.9379, 0.2007,
0.2424

Harmonies

Analogous

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



71.2440, 0.2896, 0.3295



71.2440, 0.2847, 0.3166



71.2440, 0.2871, 0.3075

Triad

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



71.2440, 0.2847, 0.3166



71.2440, 0.3246, 0.3159



71.2440, 0.3291, 0.3547

Complementary

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



71.2440, 0.2847, 0.3166



64.8897, 0.3460, 0.3411

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.



71.2440, 0.3389, 0.3503



71.2440, 0.2847, 0.3166



71.2440, 0.3363, 0.3278

Square

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



71.2440, 0.2847, 0.3166



71.2440, 0.3099, 0.3074



71.2440, 0.3416, 0.3404



71.2440, 0.3150, 0.3520

Rectangle

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



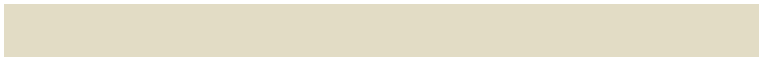
71.2440, 0.2847, 0.3166



71.2440, 0.2925, 0.3046



71.2440, 0.3416, 0.3404



71.2440, 0.3330, 0.3540

Sweetspot

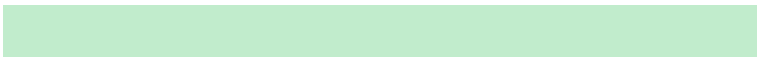
The Sweet Spot groups the original color and five complimentary colors.



71.2469, 0.2847, 0.3166



95.5966, 0.3050, 0.3258



75.6759, 0.3040, 0.3659



20.3325, 0.3039, 0.3253



0.0000, 0.0000, 0.0000



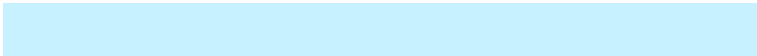
21.4041, 0.3127, 0.3290

Same Dimension

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



71.2469, 0.2847, 0.3166



82.0449, 0.2788, 0.3137



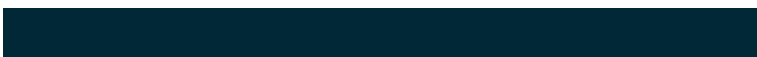
60.4840, 0.2834, 0.2921



16.4311, 0.2981, 0.3228



20.5826, 0.2011, 0.2440



1.7690, 0.2048, 0.2571

Inverse Universe

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



61.4298, 0.3230, 0.2950



68.3901, 0.3256, 0.2875



75.6696, 0.3420, 0.3634



15.2441, 0.3177, 0.3116



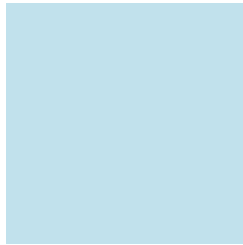
11.5706, 0.3983, 0.1968



0.9240, 0.3852, 0.1896

Previews

White Background



This preview shows how the Yxy color 71.2440, 0.2847, 0.3166 looks on a white background.

Color Contrast Check

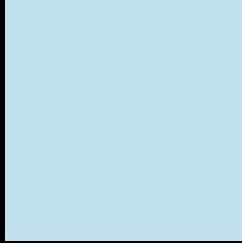
Large Text (above 18pt) WCAG AA × Fail

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 71.2440, 0.2847, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

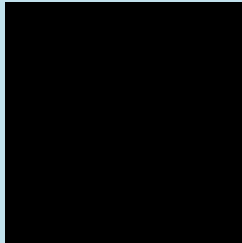
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.2440, 0.2847, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 71.2440, 0.2847, 0.3166.

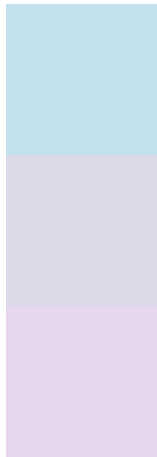


This preview shows how white text looks on a background with the Yxy color 71.2440, 0.2847, 0.3166.

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

71.2440, 0.2847, 0.3166

Protanopia

71.0291, 0.3042, 0.3139

Deuteranopia

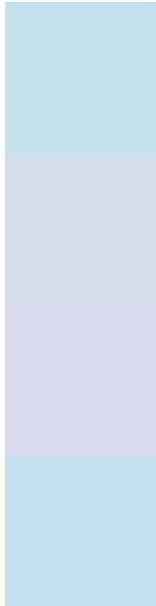
70.9174, 0.3096, 0.3028



Tritanopia

71.1914, 0.2818, 0.3089

Trichromacy



Original Color

71.2440, 0.2847, 0.3166

Protanomaly

71.2977, 0.2974, 0.3158

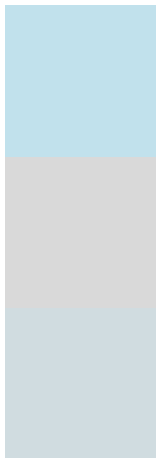
Deuteranomaly

70.6456, 0.3003, 0.3075

Tritanomaly

71.0719, 0.2829, 0.3111

Monochromacy



Original Color

71.2440, 0.2847, 0.3166

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9781, 0.3017, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2440, 0.2847, 0.3166 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(193, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(193, 225, 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(193, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 225, 236) }
```

Border

The CSS property to change the border of an element to Yxy 71.2440, 0.2847, 0.3166 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(193, 225, 236) }
```

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

```
.border{ border-color:rgb(193, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 225, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 225, 236); box-shadow:4px 4px 4px 4px rgb(193, 225, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2440, 0.2847, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 225, 236) }
```

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

```
.background{ background-color: rgb(193,  
225, 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](#).

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