

Converting Colors

$Yxy(70.2971, 0.2808, 0.3161)$

Have a look what the booklet for
Yxy(70.2971, 0.2808, 0.3161)
contains.

Yxy(70.4714, 0.2809, 0.3165)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4714, 0.2809, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	BBE1EC
RGB	187, 225, 236
RGB Percent	73%, 88%, 93%
CMY	0.2669, 0.1176, 0.0746
CMYK	0.21, 0.05, 0.00, 0.07
HSL	193°, 56%, 83%
HSV	193°, 21%, 93%
XYZ	62.5448, 70.4714, 89.6423
YIQ	214.8920, -26.1790, -4.6350

Conversions

Conversions Part 2

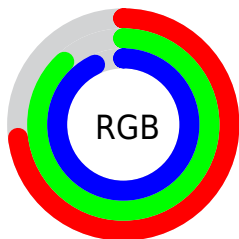
Format	Color
R _Y B	187, 208, 236
Decimal	12313068
CIE Lab	87.23, -10.05, -9.47
CIE LCh	87, 13.807, 223.302
Yxy	70.4714, 0.2809, 0.3165
Android (android.graphics.Color)	4290503148 (0xFFBBE1EC)
YUV	214.8920, 10.4062, -24.4613
Hunter-Lab	83.9472, -13.9165, -4.5492

Details

The Yxy color **70.4714, 0.2809, 0.3165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.7534, 0.3520, 0.3412**, and the grayscale version is **67.8136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **37.0313, 0.2737, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **64.9332, 0.2663, 0.3096**, and if you desaturate by 10%, it is **76.5923, 0.2961, 0.3228**.

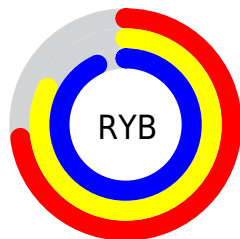
Distribution



Red (73%)

Green (88%)

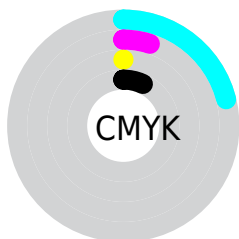
Blue (93%)



Red (73%)

Yellow (82%)

Blue (93%)

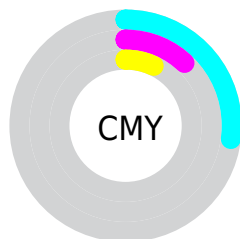


Cyan (21%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (12%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4714, 0.2809, 0.3165 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 70.4714, 0.2809, 0.3165 by changing the saturation by 10% instead.

■ 70.4714, 0.2809,
0.3165

■ 70.4714, 0.2809,
0.3165

462.2034, 0.2956,
0.3225

■ 51.9109, 0.2776,
0.3151

■ 119.8808, 0.2860,
0.3186

■ 36.9341, 0.2735,
0.3133

151.4984, 0.2879,
0.3194

■ 25.1565, 0.2683,
0.3110

188.2373, 0.2897,
0.3201

■ 16.1937, 0.2615,
0.3080

230.4818, 0.2911,
0.3207

■ 9.6613, 0.2524,
0.3037

278.6162, 0.2924,
0.3213

■ 5.1750, 0.2393,
0.2973

333.0251, 0.2936,

■ 2.3503, 0.2191,

0.3217

0.2868

394.0927, 0.2946,
0.3221

0.8001, 0.1736,
0.2696

0.0000, 0.0000,
0.0000

70.4714, 0.2809,
0.3165

70.4714, 0.2809,
0.3165

64.9332, 0.2663,
0.3096

76.5923, 0.2961,
0.3228

59.9445, 0.2525,
0.3023

83.3102, 0.3115,
0.3286

55.4814, 0.2400,
0.2946

90.1275, 0.3251,
0.3338

51.5147, 0.2290,
0.2865

93.2906, 0.3246,
0.3389

■ 48.0119, 0.2198,
0.2782

■ 96.5447, 0.3241,
0.3439

■ 44.9359, 0.2126,
0.2699

■ 98.8347, 0.3238,
0.3474

■ 42.2423, 0.2073,
0.2617

■ 40.0309, 0.2039,
0.2541

Harmonies

Analogous

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



70.4714, 0.2875, 0.3317



70.4714, 0.2809, 0.3165



70.4714, 0.2825, 0.3053

Triad

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



70.4714, 0.2809, 0.3165



70.4714, 0.3242, 0.3124



70.4714, 0.3334, 0.3583

Complementary

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



70.4714, 0.2809, 0.3165



61.7534, 0.3520, 0.3412

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.



70.4714, 0.3437, 0.3521



70.4714, 0.2809, 0.3165



70.4714, 0.3384, 0.3257

Square

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



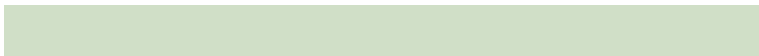
70.4714, 0.2809, 0.3165



70.4714, 0.3071, 0.3034



70.4714, 0.3456, 0.3401



70.4714, 0.3176, 0.3564

Rectangle

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



70.4714, 0.2809, 0.3165



70.4714, 0.2880, 0.3014



70.4714, 0.3456, 0.3401



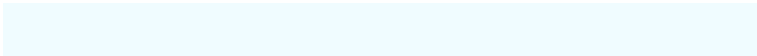
70.4714, 0.3376, 0.3571

Sweetspot

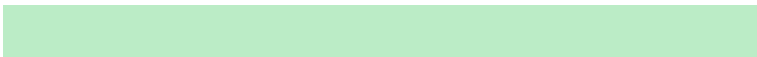
The Sweet Spot groups the original color and five complimentary colors.



70.4743, 0.2809, 0.3165



95.0516, 0.3034, 0.3256



74.5908, 0.3037, 0.3738



20.2331, 0.3024, 0.3252



0.0000, 0.0000, 0.0000



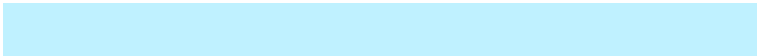
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4743, 0.2809, 0.3165



81.0975, 0.2745, 0.3136



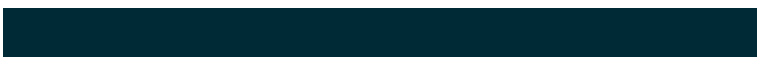
58.3078, 0.2790, 0.2881



16.5179, 0.2981, 0.3236



22.2728, 0.2043, 0.2555



1.8890, 0.2075, 0.2668

Inverse Universe

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



58.7816, 0.3235, 0.2884



64.9673, 0.3261, 0.2797



73.6998, 0.3468, 0.3668



15.2528, 0.3172, 0.3109



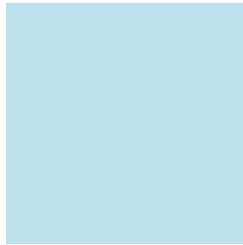
11.7413, 0.3868, 0.1905



0.9361, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 70.4714, 0.2809, 0.3165 looks on a white background.

Color Contrast Check

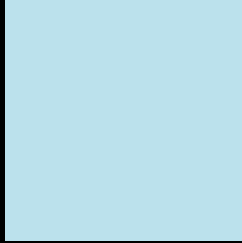
Large Text (above 18pt) WCAG AA × Fail

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 70.4714, 0.2809, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

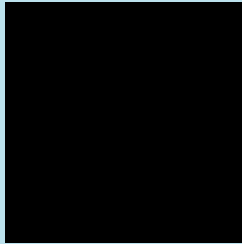
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4714, 0.2809, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 70.4714, 0.2809, 0.3165.

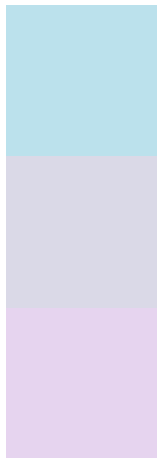


This preview shows how white text looks on a background with the Yxy color 70.4714, 0.2809, 0.3165.

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

70.4714, 0.2809, 0.3165

Protanopia

70.3007, 0.3042, 0.3138

Deuteranopia

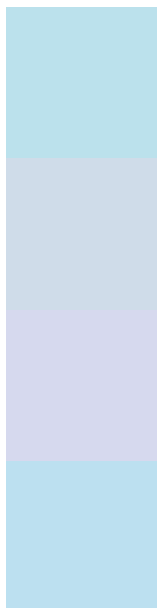
70.1420, 0.3076, 0.3006



Tritanopia

70.4135, 0.2781, 0.3087

Trichromacy



Original Color

70.4714, 0.2809, 0.3165

Protanomaly

70.3350, 0.2954, 0.3146

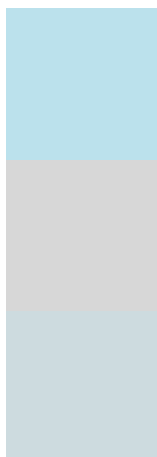
Deuteranomaly

70.0949, 0.2970, 0.3062

Tritanomaly

70.2939, 0.2792, 0.3109

Monochromacy



Original Color

70.4714, 0.2809, 0.3165

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9699, 0.3003, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4714, 0.2809, 0.3165 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(187, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.4714, 0.2809, 0.3165 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(187, 225, 236) }
```

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

```
.border{ border-color:rgb(187, 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(187, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(187, 225,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4714, 0.2809, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 236) }
```

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

```
.background{ background-color: rgb(187,  
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