

Converting Colors

$Yxy(71.9172, 0.2791, 0.3104)$

Have a look what the booklet for
Yxy(71.9172, 0.2791, 0.3104)
contains.

Yxy(71.8109, 0.2789, 0.3100)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.8109, 0.2789, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	BEE2F3
RGB	190, 226, 243
RGB Percent	75%, 89%, 95%
CMY	0.2549, 0.1137, 0.0471
CMYK	0.22, 0.07, 0.00, 0.05
HSL	199°, 69%, 85%
HSV	199°, 22%, 95%
XYZ	64.6066, 71.8109, 95.2305
YIQ	217.1740, -26.9130, -2.3450

Conversions

Conversions Part 2

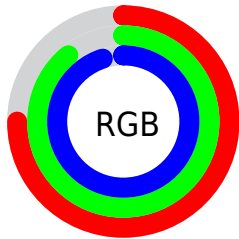
Format	Color
R _Y B	190, 211, 243
Decimal	12509939
CIE Lab	87.88, -8.12, -12.17
CIE LCh	88, 14.628, 236.272
Yxy	71.8109, 0.2789, 0.3100
Android (android.graphics.Color)	4290700019 (0xFFBEE2F3)
YUV	217.1740, 12.7322, -23.8316
Hunter-Lab	84.7413, -12.2092, -7.3099

Details

The Yxy color **71.8109, 0.2789, 0.3100** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3822, 0.3533, 0.3472**, and the grayscale version is **69.4397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **37.9479, 0.2712, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **64.8034, 0.2637, 0.2999**, and if you desaturate by 10%, it is **79.5380, 0.2944, 0.3192**.

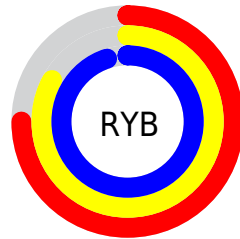
Distribution



Red (75%)

Green (89%)

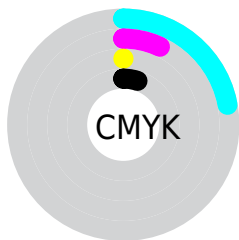
Blue (95%)



Red (75%)

Yellow (83%)

Blue (95%)

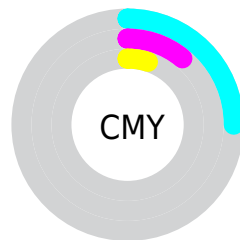


Cyan (22%)

Magenta (7%)

Yellow (0%)

Black (5%)



Cyan (25%)

Magenta (11%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8109, 0.2789, 0.3100 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 71.8109, 0.2789, 0.3100 by changing the saturation by 10% instead.

■ 71.8109, 0.2789,
0.3100

■ 71.8109, 0.2789,
0.3100

■ 466.8831, 0.2944,
0.3190

■ 53.0042, 0.2754,
0.3079

■ 121.7876, 0.2843,
0.3131

■ 37.8061, 0.2711,
0.3053

■ 153.7265, 0.2863,
0.3144

■ 25.8323, 0.2656,
0.3020

■ 190.8115, 0.2881,
0.3154

■ 16.6982, 0.2586,
0.2976

■ 233.4271, 0.2897,
0.3163

■ 10.0195, 0.2491,
0.2916

■ 281.9577, 0.2911,
0.3171

■ 5.4119, 0.2356,
0.2828

■ 336.7876, 0.2923,

■ 2.4909, 0.2151,

0.3178

0.2687

398.3013, 0.2934,
0.3184

0.8721, 0.1768,
0.2445

0.0000, 0.0000,
0.0000

71.8109, 0.2789,
0.3100

71.8109, 0.2789,
0.3100

64.8034, 0.2637,
0.2999

79.5380, 0.2944,
0.3192

58.4784, 0.2491,
0.2891

88.0024, 0.3099,
0.3276

52.8082, 0.2355,
0.2776

95.7032, 0.3201,
0.3352

47.7593, 0.2233,
0.2656

99.2497, 0.3197,
0.3405

■ 43.2945, 0.2129,
0.2533

■ 39.3715, 0.2044,
0.2410

■ 35.9395, 0.1981,
0.2287

■ 33.4291, 0.1941,
0.2189

Harmonies

Analogous

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



71.8109, 0.2822, 0.3246



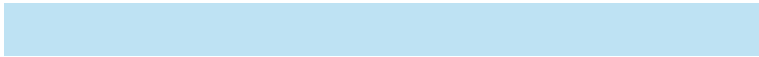
71.8109, 0.2789, 0.3100



71.8109, 0.2843, 0.3010

Triad

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



71.8109, 0.2789, 0.3100



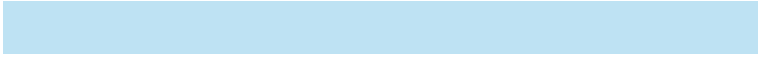
71.8109, 0.3319, 0.3172



71.8109, 0.3277, 0.3602

Complementary

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



71.8109, 0.2789, 0.3100



67.3822, 0.3533, 0.3472

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.



71.8109, 0.3416, 0.3571



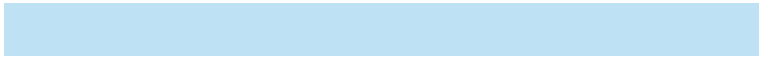
71.8109, 0.2789, 0.3100



71.8109, 0.3442, 0.3321

Square

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



71.8109, 0.2789, 0.3100



71.8109, 0.3146, 0.3055



71.8109, 0.3477, 0.3466



71.8109, 0.3100, 0.3543

Rectangle

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



71.8109, 0.2789, 0.3100



71.8109, 0.2923, 0.2992



71.8109, 0.3477, 0.3466



71.8109, 0.3330, 0.3601

Sweetspot

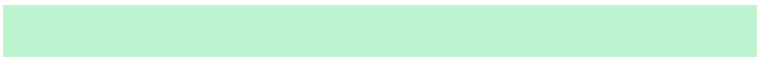
The Sweet Spot groups the original color and five complimentary colors.



71.8138, 0.2789, 0.3100



93.1759, 0.3019, 0.3233



79.5295, 0.3002, 0.3701



19.8217, 0.3009, 0.3228



0.0000, 0.0000, 0.0000



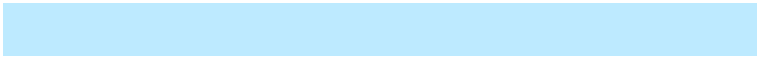
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8138, 0.2789, 0.3100



76.7095, 0.2724, 0.3058



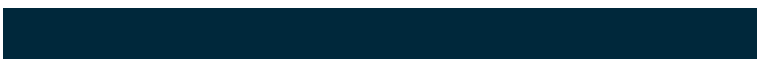
58.5947, 0.2767, 0.2795



17.8103, 0.2980, 0.3212



18.6051, 0.1947, 0.2208



1.8204, 0.1989, 0.2359

Inverse Universe

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



61.3709, 0.3281, 0.2914



63.4530, 0.3317, 0.2837



81.1968, 0.3476, 0.3741



16.6727, 0.3187, 0.3130



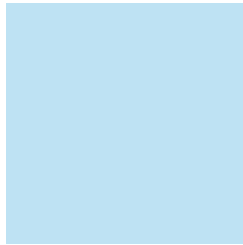
11.9776, 0.4224, 0.2101



1.0714, 0.4065, 0.2013

Previews

White Background



This preview shows how the Yxy color 71.8109, 0.2789, 0.3100 looks on a white background.

Color Contrast Check

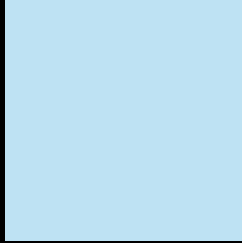
Large Text (above 18pt) WCAG AA × Fail

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 71.8109, 0.2789, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

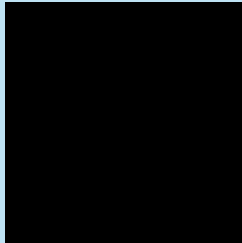
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8109, 0.2789, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 71.8109, 0.2789, 0.3100.

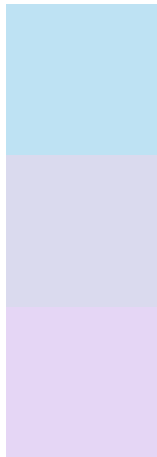


This preview shows how white text looks on a background with the Yxy color 71.8109, 0.2789, 0.3100.

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

71.8109, 0.2789, 0.3100

Protanopia

71.2213, 0.2997, 0.3075

Deuteranopia

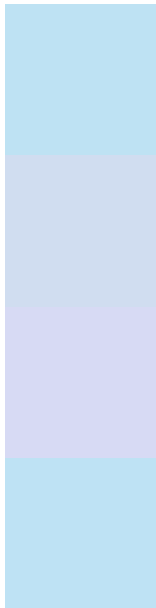
71.3437, 0.3029, 0.2966



Tritanopia

71.8715, 0.2783, 0.3089

Trichromacy



Original Color

71.8109, 0.2789, 0.3100

Protanomaly

71.4141, 0.2918, 0.3083

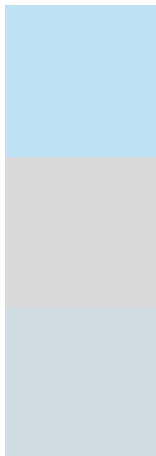
Deuteranomaly

71.1215, 0.2939, 0.3011

Tritanomaly

71.8715, 0.2783, 0.3089

Monochromacy



Original Color

71.8109, 0.2789, 0.3100

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9428, 0.2998, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8109, 0.2789, 0.3100 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(190, 226, 243)` looks like.

```
.text, #text, p{  
    color:rgb(190, 226, 243)  
}
```

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(190, 226, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 226, 243) }
```

Border

The CSS property to change the border of an element to Yxy 71.8109, 0.2789, 0.3100 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(190, 226, 243) }
```

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

```
.border{ border-color:rgb(190, 226, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 226, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 226, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 226, 243); box-shadow:4px 4px 4px 4px rgb(190, 226, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8109, 0.2789, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 226, 243) }
```

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

```
.background{ background-color: rgb(190,  
226, 243) }
```

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