

Converting Colors

$Yxy(71.7432, 0.2777, 0.3089)$

Have a look what the booklet for
Yxy(71.7432, 0.2777, 0.3089)
contains.

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Color

Yxy(71.7432, 0.2777, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	BDE2F4
RGB	189, 226, 244
RGB Percent	74%, 89%, 96%
CMY	0.2591, 0.1136, 0.0432
CMYK	0.23, 0.07, 0.00, 0.04
HSL	200°, 71%, 85%
HSV	200°, 23%, 96%
XYZ	64.4969, 71.7432, 96.0137
YIQ	216.9890, -27.8300, -2.2460

Conversions

Conversions Part 2

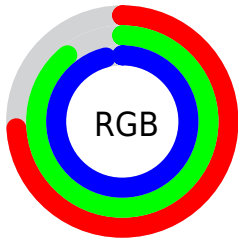
Format	Color
R _Y B	189, 211, 244
Decimal	12444404
CIE Lab	87.84, -8.23, -12.75
CIE LCh	88, 15.172, 237.146
Yxy	71.7432, 0.2777, 0.3089
Android (android.graphics.Color)	4290634484 (0xFFBDE2F4)
YUV	216.9890, 13.3164, -24.5464
Hunter-Lab	84.7014, -12.3064, -7.9176

Details

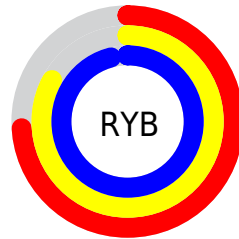
The Yxy color **71.7432, 0.2777, 0.3089** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4728, 0.3549, 0.3483**, and the grayscale version is **69.2953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **37.9076, 0.2698, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **64.6566, 0.2625, 0.2986**, and if you desaturate by 10%, it is **79.5612, 0.2932, 0.3184**.

Distribution



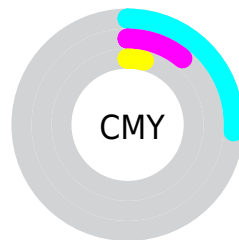
- Red (74%)
- Green (89%)
- Blue (96%)



- Red (74%)
- Yellow (83%)
- Blue (96%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



- Cyan (26%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7432, 0.2777, 0.3089 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 71.7432, 0.2777, 0.3089 by changing the saturation by 10% instead.

■ 71.7432, 0.2777,
0.3089

■ 71.7432, 0.2777,
0.3089

■ 466.6473, 0.2938,
0.3184

■ 52.9489, 0.2741,
0.3067

■ 121.6914, 0.2832,
0.3122

■ 37.7620, 0.2696,
0.3040

■ 153.6140, 0.2854,
0.3135

■ 25.7980, 0.2640,
0.3005

■ 190.6816, 0.2873,
0.3146

■ 16.6726, 0.2567,
0.2958

■ 233.2785, 0.2889,
0.3156

■ 10.0013, 0.2469,
0.2895

■ 281.7892, 0.2903,
0.3164

■ 5.3998, 0.2330,
0.2802

■ 336.5979, 0.2916,

■ 2.4837, 0.2119,

0.3171

0.2654

398.0891, 0.2927,
0.3178

0.8685, 0.1726,
0.2400

0.0000, 0.0000,
0.0000

71.7432, 0.2777,
0.3089

71.7432, 0.2777,
0.3089

64.6566, 0.2625,
0.2986

79.5612, 0.2932,
0.3184

58.2639, 0.2479,
0.2875

88.1289, 0.3088,
0.3269

52.5365, 0.2343,
0.2757

96.0968, 0.3195,
0.3347

47.4404, 0.2222,
0.2635

99.3100, 0.3191,
0.3396

■ 42.9375, 0.2118,
0.2509

■ 38.9841, 0.2034,
0.2383

■ 35.5283, 0.1971,
0.2258

■ 33.2218, 0.1935,
0.2167

Harmonies

Analogous

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



71.7432, 0.2809, 0.3239



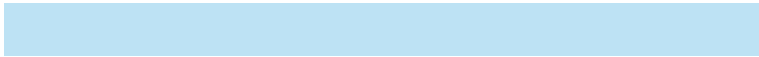
71.7432, 0.2777, 0.3089



71.7432, 0.2836, 0.2998

Triad

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



71.7432, 0.2777, 0.3089



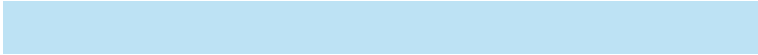
71.7432, 0.3331, 0.3172



71.7432, 0.3277, 0.3613

Complementary

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



71.7432, 0.2777, 0.3089



67.4728, 0.3549, 0.3483

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.



71.7432, 0.3423, 0.3584



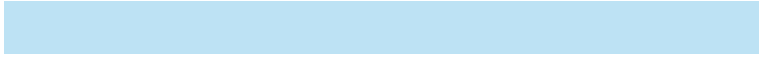
71.7432, 0.2777, 0.3089



71.7432, 0.3456, 0.3326

Square

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



71.7432, 0.2777, 0.3089



71.7432, 0.3152, 0.3049



71.7432, 0.3490, 0.3477



71.7432, 0.3094, 0.3550

Rectangle

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



71.7432, 0.2777, 0.3089



71.7432, 0.2919, 0.2981



71.7432, 0.3490, 0.3477



71.7432, 0.3333, 0.3613

Sweetspot

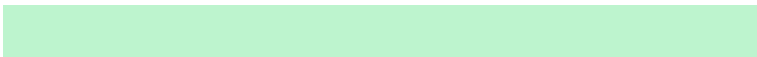
The Sweet Spot groups the original color and five complimentary colors.



71.7461, 0.2777, 0.3089



93.1116, 0.3019, 0.3232



79.9705, 0.2998, 0.3717



19.8068, 0.3009, 0.3227



0.0000, 0.0000, 0.0000



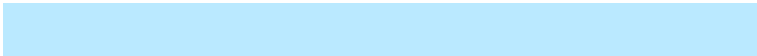
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7461, 0.2777, 0.3089



75.6969, 0.2708, 0.3044



58.2019, 0.2753, 0.2776



17.7934, 0.2980, 0.3211



18.3281, 0.1941, 0.2187



1.7975, 0.1984, 0.2341

Inverse Universe

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



61.0902, 0.3289, 0.2903



62.2981, 0.3330, 0.2823



81.6793, 0.3489, 0.3757



16.6710, 0.3188, 0.3132



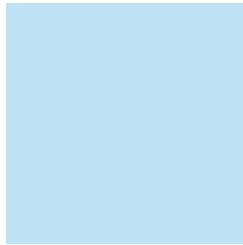
11.9496, 0.4247, 0.2113



1.0691, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 71.7432, 0.2777, 0.3089 looks on a white background.

Color Contrast Check

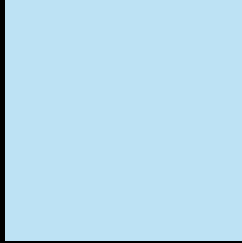
Large Text (above 18pt) WCAG AA × Fail

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 71.7432, 0.2777, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

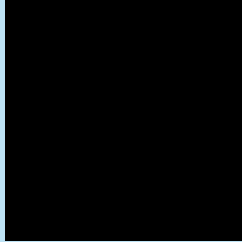
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

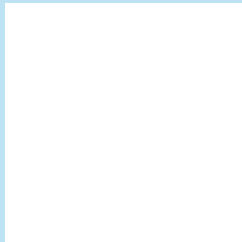
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7432, 0.2777, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 71.7432, 0.2777, 0.3089.

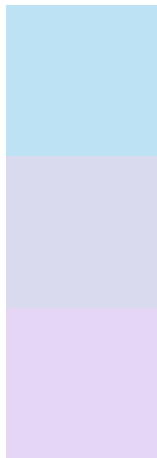


This preview shows how white text looks on a background with the Yxy color 71.7432, 0.2777, 0.3089.

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

71.7432, 0.2777, 0.3089

Protanopia

71.2802, 0.2991, 0.3065

Deuteranopia

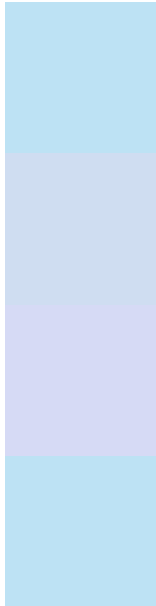
71.4050, 0.3022, 0.2956



Tritanopia

71.7432, 0.2777, 0.3089

Trichromacy



Original Color

71.7432, 0.2777, 0.3089

Protanomaly

71.3292, 0.2905, 0.3072

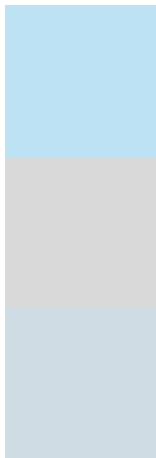
Deuteranomaly

71.0315, 0.2926, 0.3000

Tritanomaly

71.7432, 0.2777, 0.3089

Monochromacy



Original Color

71.7432, 0.2777, 0.3089

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9978, 0.2991, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7432, 0.2777, 0.3089 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(189, 226, 244)` looks like.

```
.text, #text, p{  
    color:rgb(189, 226, 244)  
}
```

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(189, 226, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 226, 244) }
```

Border

The CSS property to change the border of an element to Yxy 71.7432, 0.2777, 0.3089 is called "border". The border property can be set on classes, ids or directly on the HTML element.

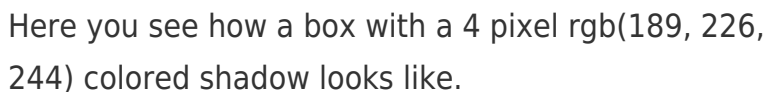
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 226, 244) }
```

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

```
.border{ border-color:rgb(189, 226, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 226, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 226, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 226, 244); box-shadow:4px 4px 4px 4px rgb(189, 226, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7432, 0.2777, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 226, 244) }
```

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

```
.background{ background-color: rgb(189,  
226, 244) }
```

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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