

Converting Colors

$Yxy(71.7678, 0.2791, 0.3172)$

Have a look what the booklet for
Yxy(71.7678, 0.2791, 0.3172)
contains.

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Color

Yxy(71.9741, 0.2788, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	B9E4EE
RGB	185, 228, 238
RGB Percent	73%, 89%, 93%
CMY	0.2746, 0.1059, 0.0666
CMYK	0.22, 0.04, 0.00, 0.07
HSL	191°, 61%, 83%
HSV	191°, 22%, 93%
XYZ	63.1813, 71.9741, 91.4633
YIQ	216.2830, -28.8380, -6.0060

Conversions

Conversions Part 2

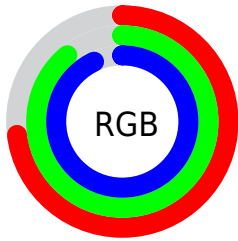
Format	Color
R _Y B	185, 209, 238
Decimal	12182766
CIE Lab	87.96, -11.72, -9.47
CIE LCh	88, 15.069, 218.955
Yxy	71.9741, 0.2788, 0.3176
Android (android.graphics.Color)	4290372846 (0xFFB9E4EE)
YUV	216.2830, 10.7065, -27.4352
Hunter-Lab	84.8376, -15.5309, -4.5342

Details

The Yxy color **71.9741, 0.2788, 0.3176** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.7072, 0.3559, 0.3401**, and the grayscale version is **68.8123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **38.0898, 0.2713, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **66.8212, 0.2645, 0.3118**, and if you desaturate by 10%, it is **77.6925, 0.2938, 0.3230**.

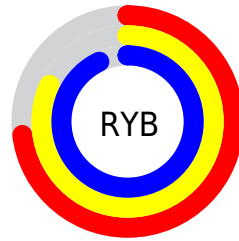
Distribution



Red (73%)

Green (89%)

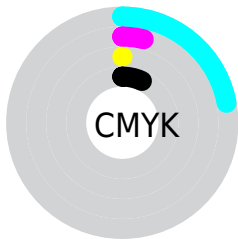
Blue (93%)



Red (73%)

Yellow (82%)

Blue (93%)

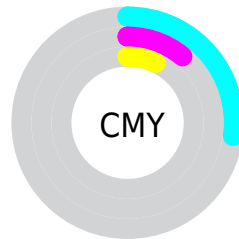


Cyan (22%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9741, 0.2788, 0.3176 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 71.9741, 0.2788, 0.3176 by changing the saturation by 10% instead.

■ 71.9741, 0.2788,
0.3176

■ 71.9741, 0.2788,
0.3176

467.4514, 0.2944,
0.3231

■ 53.1375, 0.2753,
0.3163

■ 122.0197, 0.2842,
0.3195

■ 37.9126, 0.2710,
0.3147

153.9975, 0.2863,
0.3203

■ 25.9148, 0.2655,
0.3126

191.1245, 0.2881,
0.3209

■ 16.7599, 0.2584,
0.3097

233.7852, 0.2897,
0.3215

■ 10.0635, 0.2489,
0.3058

282.3638, 0.2910,
0.3220

■ 5.4411, 0.2353,
0.2998

337.2447, 0.2923,

■ 2.5083, 0.2146,

0.3224

0.2901

398.8125, 0.2934,
0.3228

0.8808, 0.1715,
0.2741

0.0000, 0.0000,
0.0000

71.9741, 0.2788,
0.3176

71.9741, 0.2788,
0.3176

66.8212, 0.2645,
0.3118

77.6925, 0.2938,
0.3230

62.2000, 0.2513,
0.3056

83.9911, 0.3092,
0.3279

58.0862, 0.2394,
0.2990

90.6312, 0.3238,
0.3324

54.4497, 0.2291,
0.2923

93.3305, 0.3234,
0.3368

■ 51.2571, 0.2207,
0.2854

■ 96.0959, 0.3230,
0.3411

■ 48.4698, 0.2143,
0.2785

■ 98.9278, 0.3226,
0.3453

■ 46.0416, 0.2098,
0.2716

■ 98.9541, 0.3226,
0.3454

■ 44.3578, 0.2073,
0.2664

Harmonies

Analogous

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



71.9741, 0.2871, 0.3343



71.9741, 0.2788, 0.3176



71.9741, 0.2792, 0.3047

Triad

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



71.9741, 0.2788, 0.3176



71.9741, 0.3225, 0.3093



71.9741, 0.3372, 0.3604

Complementary

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



71.9741, 0.2788, 0.3176



60.7072, 0.3559, 0.3401

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.



71.9741, 0.3473, 0.3524



71.9741, 0.2788, 0.3176



71.9741, 0.3387, 0.3231

Square

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



71.9741, 0.2788, 0.3176



71.9741, 0.3040, 0.3004



71.9741, 0.3479, 0.3387



71.9741, 0.3206, 0.3597

Rectangle

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



71.9741, 0.2788, 0.3176



71.9741, 0.2844, 0.2998



71.9741, 0.3479, 0.3387



71.9741, 0.3414, 0.3586

Sweetspot

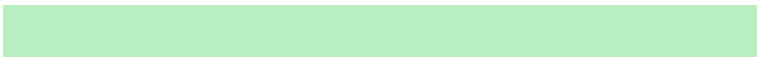
The Sweet Spot groups the original color and five complimentary colors.



71.9770, 0.2788, 0.3176



94.6399, 0.3018, 0.3257



75.3975, 0.3041, 0.3796



20.1614, 0.3009, 0.3254



0.0000, 0.0000, 0.0000



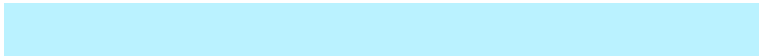
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9770, 0.2788, 0.3176



81.1862, 0.2718, 0.3148



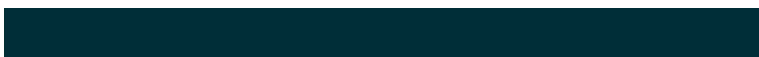
58.6213, 0.2765, 0.2868



17.3922, 0.2981, 0.3244



24.9235, 0.2076, 0.2674



2.2027, 0.2101, 0.2764

Inverse Universe

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



58.4714, 0.3230, 0.2835



62.8523, 0.3256, 0.2734



73.5122, 0.3500, 0.3679



15.9773, 0.3167, 0.3100



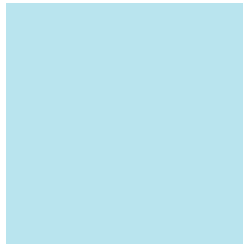
12.3094, 0.3752, 0.1841



1.0371, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 71.9741, 0.2788, 0.3176 looks on a white background.

Color Contrast Check

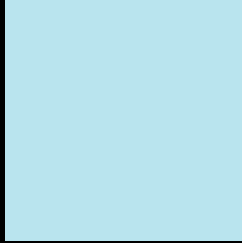
Large Text (above 18pt) WCAG AA × Fail

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 71.9741, 0.2788, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

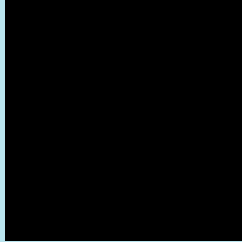
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9741, 0.2788, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 71.9741, 0.2788, 0.3176.

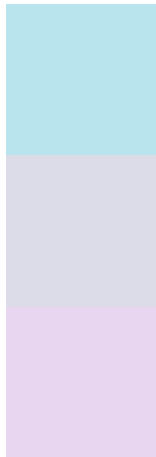


This preview shows how white text looks on a background with the Yxy color 71.9741, 0.2788, 0.3176.

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

71.9741, 0.2788, 0.3176

Protanopia

71.7049, 0.3049, 0.3150

Deuteranopia

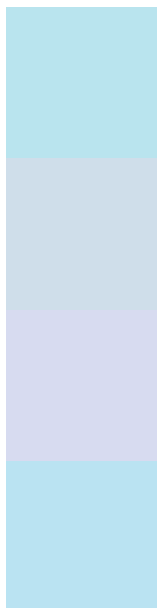
71.5998, 0.3076, 0.3009



Tritanopia

71.9698, 0.2755, 0.3088

Trichromacy



Original Color

71.9741, 0.2788, 0.3176

Protanomaly

71.4485, 0.2948, 0.3158

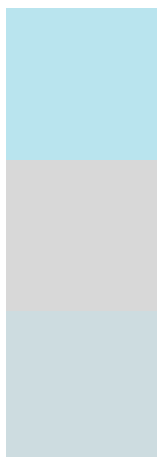
Deuteranomaly

71.4014, 0.2964, 0.3064

Tritanomaly

71.7881, 0.2771, 0.3121

Monochromacy



Original Color

71.9741, 0.2788, 0.3176

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.5474, 0.2997, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9741, 0.2788, 0.3176 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(185, 228, 238)` looks like.

```
.text, #text, p{  
    color:rgb(185, 228, 238)  
}
```

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(185, 228, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 228, 238) }
```

Border

The CSS property to change the border of an element to Yxy 71.9741, 0.2788, 0.3176 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(185, 228, 238) }
```

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

```
.border{ border-color:rgb(185, 228, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 228, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 228, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 228, 238);  
box-shadow:4px 4px 4px 4px rgb(185, 228,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9741, 0.2788, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 228, 238) }
```

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

```
.background{ background-color: rgb(185,  
228, 238) }
```

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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