

Converting Colors

$Yxy(71.8439, 0.2828, 0.3246)$

Have a look what the booklet for
Yxy(71.8439, 0.2828, 0.3246)
contains.

Yxy(71.7521, 0.2828, 0.3244)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.7521, 0.2828, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	BAE4E8
RGB	186, 228, 232
RGB Percent	73%, 89%, 91%
CMY	0.2707, 0.1058, 0.0903
CMYK	0.20, 0.02, 0.00, 0.09
HSL	185°, 50%, 82%
HSV	185°, 20%, 91%
XYZ	62.5508, 71.7521, 86.8811
YIQ	215.8980, -26.3160, -7.6600

Conversions

Conversions Part 2

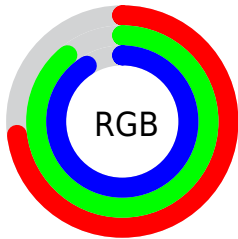
Format	Color
R _Y B	186, 208, 232
Decimal	12248296
CIE Lab	87.85, -12.71, -6.45
CIE LCh	88, 14.257, 206.912
Yxy	71.7521, 0.2828, 0.3244
Android (android.graphics.Color)	4290438376 (0xFFBAE4E8)
YUV	215.8980, 7.9383, -26.2205
Hunter-Lab	84.7066, -16.4248, -1.5174

Details

The Yxy color **71.7521, 0.2828, 0.3244** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.4974, 0.3512, 0.3336**, and the grayscale version is **68.5523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **37.9273, 0.2762, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **67.9878, 0.2690, 0.3218**, and if you desaturate by 10%, it is **76.0067, 0.2976, 0.3268**.

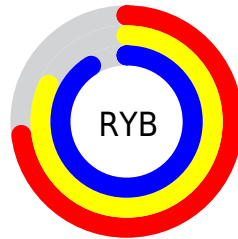
Distribution



Red (73%)

Green (89%)

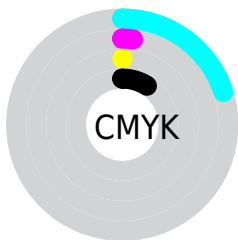
Blue (91%)



Red (73%)

Yellow (82%)

Blue (91%)

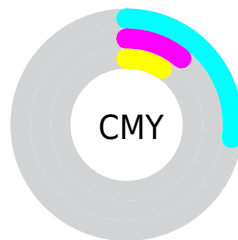


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (27%)


Magenta (11%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7521, 0.2828, 0.3244 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 71.7521, 0.2828, 0.3244 by changing the saturation by 10% instead.


 71.7521, 0.2828,
0.3244

 71.7521, 0.2828,
0.3244


466.6783, 0.2966,
0.3267

 52.9562, 0.2797,
0.3238

 121.7040, 0.2876,
0.3252

 37.7678, 0.2758,
0.3231

153.6288, 0.2894,
0.3255

 25.8025, 0.2710,
0.3222


190.6987, 0.2910,
0.3258

 16.6760, 0.2646,
0.3209

233.2981, 0.2924,
0.3260

 10.0037, 0.2561,
0.3190

281.8113, 0.2936,
0.3262

 5.4014, 0.2438,
0.3161

336.6229, 0.2947,

 2.4847, 0.2249,

0.3264

0.3111

398.1170, 0.2957,
0.3266

0.8689, 0.1809,
0.3049

0.0000, 0.0000,
0.0000

71.7521, 0.2828,
0.3244

71.7521, 0.2828,
0.3244

67.9878, 0.2690,
0.3218

76.0067, 0.2976,
0.3268

64.6821, 0.2563,
0.3191

80.7639, 0.3130,
0.3290

61.8134, 0.2452,
0.3162

85.9389, 0.3283,
0.3311

59.3546, 0.2359,
0.3133

87.0844, 0.3281,
0.3330

■ 57.2757, 0.2284,
0.3103

■ 88.2428, 0.3279,
0.3350

■ 55.5422, 0.2229,
0.3073

■ 89.4142, 0.3277,
0.3369

■ 54.1133, 0.2192,
0.3043

■ 90.5986, 0.3275,
0.3389

■ 52.9202, 0.2171,
0.3014

■ 91.7959, 0.3273,
0.3408

■ 52.9010, 0.2171,
0.3014

■ 93.0064, 0.3271,
0.3427

Harmonies

Analogous

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



71.7521, 0.2937, 0.3404



71.7521, 0.2828, 0.3244



71.7521, 0.2798, 0.3102

Triad

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



71.7521, 0.2828, 0.3244



71.7521, 0.3150, 0.3062



71.7521, 0.3406, 0.3566

Complementary

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



71.7521, 0.2828, 0.3244



57.4974, 0.3512, 0.3336

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.



71.7521, 0.3468, 0.3465



71.7521, 0.2828, 0.3244



71.7521, 0.3318, 0.3178

Square

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



71.7521, 0.2828, 0.3244



71.7521, 0.2980, 0.3003



71.7521, 0.3436, 0.3323



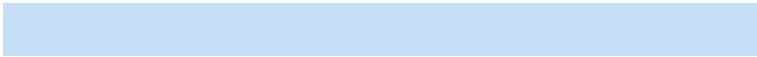
71.7521, 0.3270, 0.3593

Rectangle

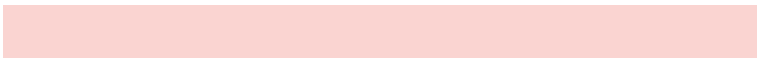
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7521, 0.2828, 0.3244



71.7521, 0.2825, 0.3037



71.7521, 0.3436, 0.3323



71.7521, 0.3437, 0.3539

Sweetspot

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



71.7550, 0.2828, 0.3244



96.3740, 0.3034, 0.3277



71.8473, 0.3078, 0.3789



20.5465, 0.3024, 0.3275



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.



71.7550, 0.2828, 0.3244



86.8621, 0.2767, 0.3233



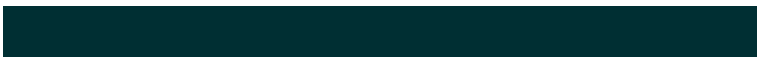
59.9917, 0.2811, 0.2976



16.1126, 0.2982, 0.3269



29.4675, 0.2172, 0.3018



2.2404, 0.2184, 0.3061

Inverse Universe

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



57.8611, 0.3180, 0.2838



66.6394, 0.3193, 0.2739



68.1899, 0.3464, 0.3585



14.5927, 0.3151, 0.3078



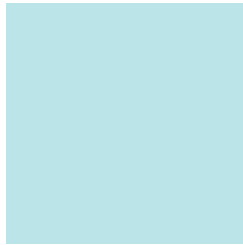
12.1725, 0.3438, 0.1668



0.9058, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 71.7521, 0.2828, 0.3244 looks on a white background.

Color Contrast Check

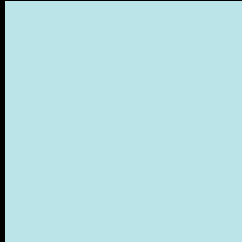
Large Text (above 18pt) WCAG AA × Fail

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 71.7521, 0.2828, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

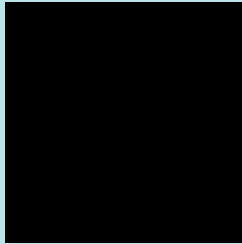
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

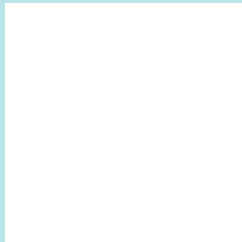
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7521, 0.2828, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 71.7521, 0.2828, 0.3244.

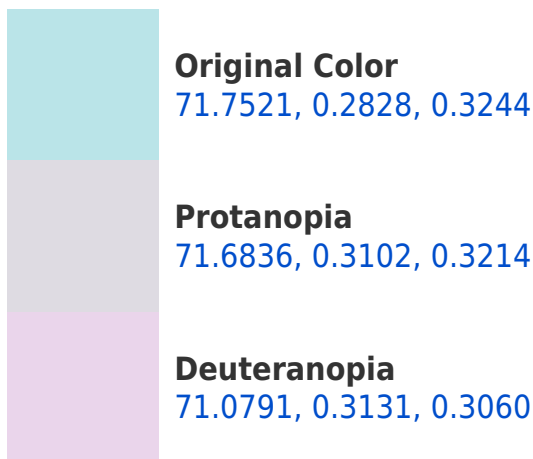


This preview shows how white text looks on a background with the Yxy color 71.7521, 0.2828, 0.3244.

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

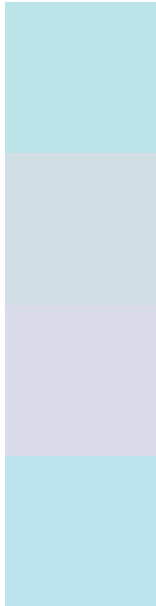




Tritanopia

71.6157, 0.2771, 0.3088

Trichromacy



Original Color

71.7521, 0.2828, 0.3244

Protanomaly

71.3993, 0.2999, 0.3223

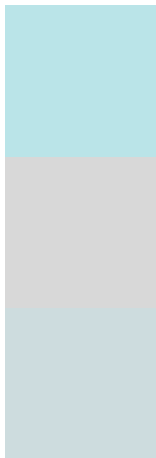
Deuteranomaly

70.8350, 0.3016, 0.3117

Tritanomaly

71.7942, 0.2788, 0.3143

Monochromacy



Original Color

71.7521, 0.2828, 0.3244

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.4395, 0.3009, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7521, 0.2828, 0.3244 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(186, 228, 232)` looks like.

```
.text, #text, p{  
    color:rgb(186, 228, 232)  
}
```

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(186, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 228, 232) }
```

Border

The CSS property to change the border of an element to Yxy 71.7521, 0.2828, 0.3244 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(186, 228, 232) }
```

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

```
.border{ border-color:rgb(186, 228, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(186, 228,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7521, 0.2828, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 228, 232) }
```

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

```
.background{ background-color: rgb(186,  
228, 232) }
```

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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