

Converting Colors

$Yxy(75.7566, 0.2945, 0.3362)$

Have a look what the booklet for
Yxy(75.7566, 0.2945, 0.3362)
contains.

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Color

Yxy(75.9109, 0.2946, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	C7E9E2
RGB	199, 233, 226
RGB Percent	78%, 91%, 89%
CMY	0.2197, 0.0862, 0.1136
CMYK	0.15, 0.00, 0.03, 0.09
HSL	168°, 44%, 85%
HSV	168°, 15%, 91%
XYZ	66.4192, 75.9109, 83.1255
YIQ	222.0360, -18.0170, -9.3850

Conversions

Conversions Part 2

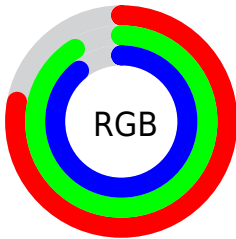
Format	Color
R_{YB}	199, 218, 233
Decimal	13101538
CIE Lab	89.82, -12.41, -0.35
CIE LCh	90, 12.418, 181.598
Yxy	75.9109, 0.2946, 0.3367
Android (android.graphics.Color)	4291291618 (0xFFC7E9E2)
YUV	222.0360, 1.9543, -20.2026
Hunter-Lab	87.1269, -16.3965, 4.4218

Details

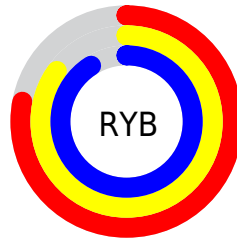
The Yxy color **75.9109, 0.2946, 0.3367** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6179, 0.3345, 0.3215**, and the grayscale version is **73.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4043, 0.2904, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **72.7088, 0.2830, 0.3426**, and if you desaturate by 10%, it is **79.6146, 0.3069, 0.3313**.

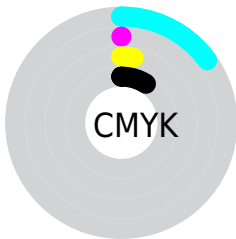
Distribution



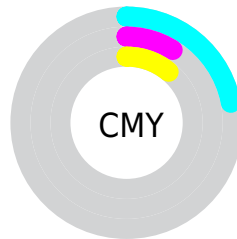
- Red (78%)
- Green (91%)
- Blue (89%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (22%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9109, 0.2946, 0.3367 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 75.9109, 0.2946, 0.3367 by changing the saturation by 10% instead.

 75.9109, 0.2946,
0.3367

 75.9109, 0.2946,
0.3367


481.0426, 0.3029,
0.3332

 56.3594, 0.2927,
0.3375

127.6010, 0.2975,
0.3355

 40.4912, 0.2904,
0.3385


160.5083, 0.2986,
0.3350

 27.9217, 0.2875,
0.3397


198.6365, 0.2996,
0.3346

 18.2667, 0.2837,
0.3413

242.3698, 0.3004,
0.3342

 11.1416, 0.2785,
0.3435

292.0927, 0.3011,
0.3339

 6.1622, 0.2711,
0.3466

348.1895, 0.3018,

 2.9439, 0.2597,

0.3337

0.3513

411.0447, 0.3024,
0.3334

■ 1.1025, 0.2385,
0.3602

■ 0.0000, 0.0000,
0.0000

■ 75.9109, 0.2946,
0.3367

■ 75.9109, 0.2946,
0.3367

■ 72.7088, 0.2830,
0.3426

■ 79.6146, 0.3069,
0.3313

■ 69.9766, 0.2724,
0.3490


■ 83.8312, 0.3196,
0.3264

■ 67.6936, 0.2631,
0.3558


■ 85.8542, 0.3230,
0.3218

■ 65.8338, 0.2553,
0.3629


■ 86.1424, 0.3199,
0.3172


 64.3685, 0.2493,
0.3703

 86.4381, 0.3169,
0.3126

 63.2653, 0.2453,
0.3778

 86.7414, 0.3139,
0.3081

 62.4869, 0.2433,
0.3854

 86.7615, 0.3137,
0.3078

 61.9872, 0.2431,
0.3929

 61.7947, 0.2436,
0.3969

Harmonies

Analogous

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



75.9109, 0.3079, 0.3484



75.9109, 0.2946, 0.3367



75.9109, 0.2862, 0.3231

Triad

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



75.9109, 0.2946, 0.3367



75.9109, 0.3023, 0.3048



75.9109, 0.3415, 0.3457

Complementary

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



75.9109, 0.2946, 0.3367



62.6179, 0.3345, 0.3215

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.



75.9109, 0.3400, 0.3339



75.9109, 0.2946, 0.3367



75.9109, 0.3170, 0.3107

Square

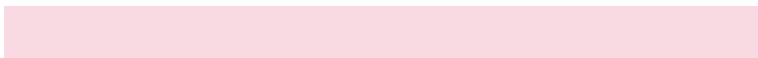
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9109, 0.2946, 0.3367



75.9109, 0.2905, 0.3050



75.9109, 0.3310, 0.3212



75.9109, 0.3351, 0.3534

Rectangle

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



75.9109, 0.2946, 0.3367



75.9109, 0.2844, 0.3149



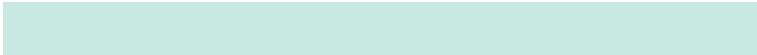
75.9109, 0.3310, 0.3212



75.9109, 0.3419, 0.3421

Sweetspot

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



75.9141, 0.2946, 0.3367



97.9826, 0.3076, 0.3310



75.5769, 0.3159, 0.3673



20.8936, 0.3067, 0.3314



0.0000, 0.0000, 0.0000



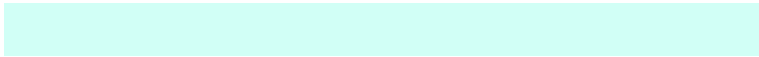
21.4041, 0.3127, 0.3290

Same Dimension

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



75.9141, 0.2946, 0.3367



91.7187, 0.2905, 0.3387



70.9948, 0.2902, 0.3182



17.0659, 0.3008, 0.3339



35.0799, 0.2433, 0.3958



2.7679, 0.2404, 0.3854

Inverse Universe

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



62.6179, 0.3345, 0.3215



71.9986, 0.3408, 0.3195



66.8636, 0.3383, 0.3396



15.1045, 0.3261, 0.3242



9.9641, 0.6058, 0.3111



0.7960, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 75.9109, 0.2946, 0.3367 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 75.9109, 0.2946, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

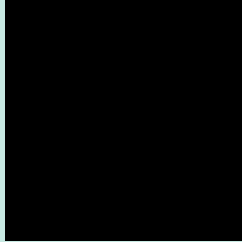
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

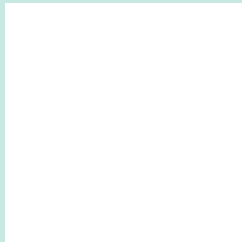
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9109, 0.2946, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 75.9109, 0.2946, 0.3367.

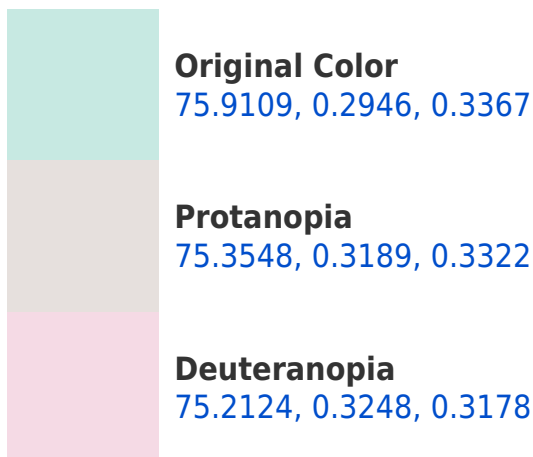


This preview shows how white text looks on a background with the Yxy color 75.9109, 0.2946, 0.3367.

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

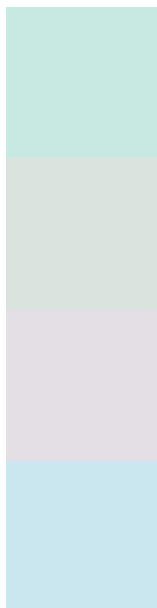




Tritanopia

76.0674, 0.2843, 0.3095

Trichromacy



Original Color

75.9109, 0.2946, 0.3367

Protanomaly

75.3260, 0.3098, 0.3333

Deuteranomaly

74.8708, 0.3130, 0.3237

Tritanomaly

75.9997, 0.2883, 0.3191

Monochromacy



Original Color

75.9109, 0.2946, 0.3367

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.0166, 0.3064, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9109, 0.2946, 0.3367 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(199, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 226)  
}
```

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(199, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 226) }
```

Border

The CSS property to change the border of an element to Yxy 75.9109, 0.2946, 0.3367 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(199, 233, 226) }
```

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

```
.border{ border-color:rgb(199, 233, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 233,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9109, 0.2946, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 226) }
```

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

```
.background{ background-color: rgb(199,  
233, 226) }
```

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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