

Converting Colors

$Yxy(77.5242, 0.2941, 0.3540)$

Have a look what the booklet for
Yxy(77.5242, 0.2941, 0.3540)
contains.

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Color

Yxy(77.5616, 0.2937, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	BDEFD9
RGB	189, 239, 217
RGB Percent	74%, 94%, 85%
CMY	0.2590, 0.0627, 0.1490
CMYK	0.21, 0.00, 0.09, 0.06
HSL	154°, 61%, 84%
HSV	154°, 21%, 94%
XYZ	64.3680, 77.5616, 77.2329
YIQ	221.5420, -22.7380, -17.4420

Conversions

Conversions Part 2

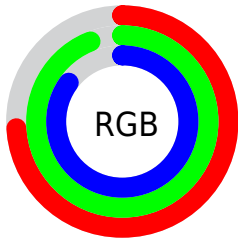
Format	Color
RYB	189, 221, 239
Decimal	12447705
CIELab	90.58, -20.31, 5.39
CIElCh	91, 21.014, 165.132
Yxy	77.5616, 0.2937, 0.3539
Android (android.graphics.Color)	4290637785 (0xFFBDEFD9)
YUV	221.5420, -2.2392, -28.5393
Hunter-Lab	88.0691, -23.6586, 9.6535

Details

The Yxy color **77.5616, 0.2937, 0.3539** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4255, 0.3368, 0.3054**, and the grayscale version is **72.7306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **41.6265, 0.2895, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **74.2277, 0.2854, 0.3678**, and if you desaturate by 10%, it is **81.4404, 0.3026, 0.3413**.

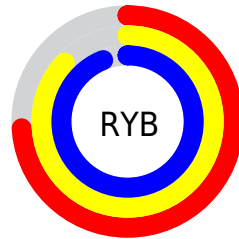
Distribution



Red (74%)

Green (94%)

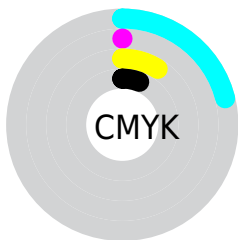
Blue (85%)



Red (74%)

Yellow (87%)

Blue (94%)

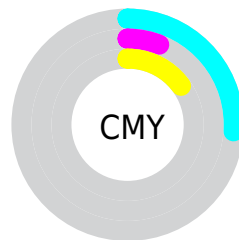


Cyan (21%)

Magenta (0%)

Yellow (9%)

Black (6%)



Cyan (26%)


Magenta (6%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5616, 0.2937, 0.3539 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 77.5616, 0.2937, 0.3539 by changing the saturation by 10% instead.

 77.5616, 0.2937,
0.3539

 77.5616, 0.2937,
0.3539


486.6767, 0.3025,
0.3423

 57.7139, 0.2917,
0.3566


 129.9319, 0.2968,
0.3499

 41.5787, 0.2892,
0.3599


163.2234, 0.2979,
0.3483

 28.7715, 0.2860,
0.3641

201.7649, 0.2990,
0.3469

 18.9081, 0.2819,
0.3697

245.9408, 0.2999,
0.3458

 11.6039, 0.2763,
0.3773

296.1355, 0.3006,
0.3447

 6.4746, 0.2681,
0.3885


352.7335, 0.3013,


 3.1357, 0.2553,


0.3438


0.4063

416.1191, 0.3020,
0.3430


 1.2030, 0.2271,
0.4425

 0.0642, 0.0000,
1.0000

 77.5616, 0.2937,
0.3539


 77.5616, 0.2937,
0.3539


 74.2277, 0.2854,
0.3678


 81.4404, 0.3026,
0.3413


 71.4037, 0.2779,
0.3828

 85.8779, 0.3118,
0.3300

 69.0653, 0.2717,
0.3989

 89.8123, 0.3174,
0.3198

 67.1827, 0.2671,
0.4158

 90.2225, 0.3134,
0.3136

■ 65.7223, 0.2643,
0.4331

■ 64.6457, 0.2635,
0.4505

■ 63.9073, 0.2647,
0.4675

■ 63.4635, 0.2673,
0.4823

Harmonies

Analogous

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



77.5616, 0.3181, 0.3694



77.5616, 0.2937, 0.3539



77.5616, 0.2749, 0.3312

Triad

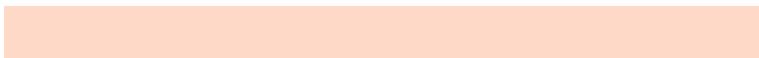
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5616, 0.2937, 0.3539



77.5616, 0.2834, 0.2877



77.5616, 0.3617, 0.3460

Complementary

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



77.5616, 0.2937, 0.3539



59.4255, 0.3368, 0.3054

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.



77.5616, 0.3517, 0.3251



77.5616, 0.2937, 0.3539



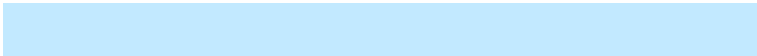
77.5616, 0.3058, 0.2924

Square

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



77.5616, 0.2937, 0.3539



77.5616, 0.2691, 0.2934



77.5616, 0.3310, 0.3058



77.5616, 0.3579, 0.3636

Rectangle

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



77.5616, 0.2937, 0.3539



77.5616, 0.2678, 0.3159



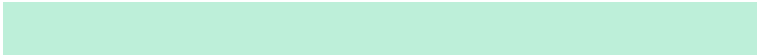
77.5616, 0.3310, 0.3058



77.5616, 0.3599, 0.3391

Sweetspot

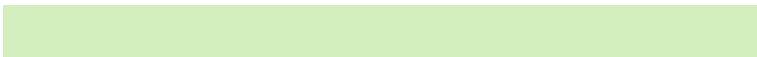
The Sweet Spot groups the original color and five complimentary colors.



77.5648, 0.2937, 0.3539



96.7873, 0.3071, 0.3356



79.3337, 0.3251, 0.3846



20.6447, 0.3065, 0.3363



0.0000, 0.0000, 0.0000



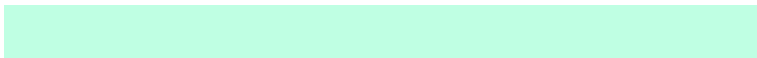
21.4041, 0.3127, 0.3290

Same Dimension

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



77.5648, 0.2937, 0.3539



88.1742, 0.2902, 0.3595



77.3313, 0.2813, 0.3261



17.8048, 0.3040, 0.3396



35.0928, 0.2666, 0.4797



2.9394, 0.2605, 0.4580

Inverse Universe

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



59.4255, 0.3368, 0.3054



63.7590, 0.3429, 0.3005



59.4828, 0.3543, 0.3319



15.8742, 0.3224, 0.3187



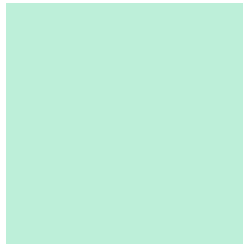
10.7302, 0.5214, 0.2646



0.9123, 0.4885, 0.2465

Previews

White Background



This preview shows how the Yxy color 77.5616, 0.2937, 0.3539 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 77.5616, 0.2937, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

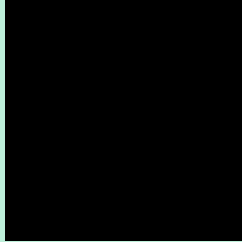
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

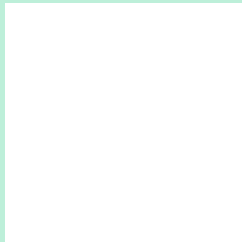
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5616, 0.2937, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 77.5616, 0.2937, 0.3539.

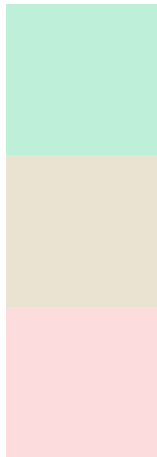


This preview shows how white text looks on a background with the Yxy color 77.5616, 0.2937, 0.3539.

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

77.5616, 0.2937, 0.3539

Protanopia

77.2535, 0.3295, 0.3470

Deuteranopia

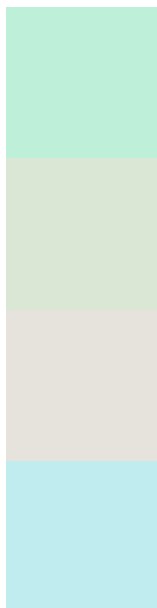
77.1023, 0.3352, 0.3281



Tritanopia

77.6097, 0.2782, 0.3095

Trichromacy



Original Color

77.5616, 0.2937, 0.3539

Protanomaly

76.8614, 0.3152, 0.3486

Deuteranomaly

76.7635, 0.3186, 0.3364

Tritanomaly

77.5604, 0.2837, 0.3256

Monochromacy



Original Color

77.5616, 0.2937, 0.3539

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.3558, 0.3055, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5616, 0.2937, 0.3539 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, 239, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 239, 217)  
}
```

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, 239, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 239, 217) }
```

Border

The CSS property to change the border of an element to Yxy 77.5616, 0.2937, 0.3539 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, 239, 217) }
```

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

```
.border{ border-color:rgb(189, 239, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 239, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 239, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 239, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 239,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5616, 0.2937, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 239, 217) }
```

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

```
.background{ background-color: rgb(189,  
239, 217) }
```

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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