

Converting Colors

$Yxy(77.8369, 0.3051, 0.3583)$

Have a look what the booklet for
Yxy(77.8369, 0.3051, 0.3583)
contains.

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Color

Yxy(77.6890, 0.3048, 0.3581)

Conversions

Conversions Part 1

Format	Color
Hex	C9EDD3
RGB	201, 237, 211
RGB Percent	79%, 93%, 83%
CMY	0.2118, 0.0706, 0.1726
CMYK	0.15, 0.00, 0.11, 0.07
HSL	137°, 50%, 86%
HSV	137°, 15%, 93%
XYZ	66.1257, 77.6890, 73.1331
YIQ	223.2720, -13.1100, -15.7180

Conversions

Conversions Part 2

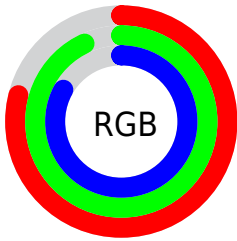
Format	Color
R _Y B	201, 229, 237
Decimal	13233619
CIE Lab	90.64, -16.60, 8.71
CIE LCh	91, 18.746, 152.325
Yxy	77.6890, 0.3048, 0.3581
Android (android.graphics.Color)	4291423699 (0xFFC9EDD3)
YUV	223.2720, -6.0501, -19.5325
Hunter-Lab	88.1414, -20.3326, 12.5046

Details

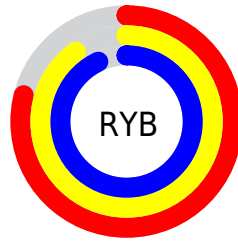
The Yxy color **77.6890, 0.3048, 0.3581** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.3194, 0.3217, 0.3016**, and the grayscale version is **74.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6511, 0.3035, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **73.8440, 0.2997, 0.3802**, and if you desaturate by 10%, it is **82.1388, 0.3100, 0.3383**.

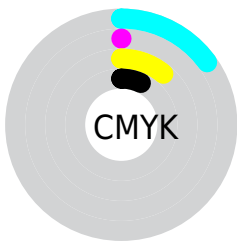
Distribution



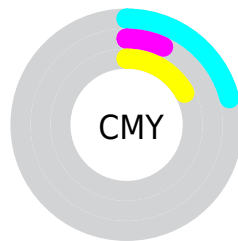
- Red (79%)
- Green (93%)
- Blue (83%)



- Red (79%)
- Yellow (90%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)




- Cyan (21%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6890, 0.3048, 0.3581 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 77.6890, 0.3048, 0.3581 by changing the saturation by 10% instead.


 77.6890, 0.3048,
0.3581

 77.6890, 0.3048,
0.3581

487.1100, 0.3086,
0.3445

 57.8185, 0.3039,
0.3612

130.1116, 0.3061,
0.3533

 41.6628, 0.3028,
0.3652

163.4326, 0.3066,
0.3515

 28.8373, 0.3014,
0.3701


202.0058, 0.3071,
0.3499

 18.9578, 0.2995,
0.3767

246.2157, 0.3075,
0.3486

 11.6398, 0.2968,
0.3858

296.4467, 0.3078,
0.3474

 6.4989, 0.2929,
0.3990

353.0831, 0.3081,

 3.1508, 0.2863,

0.3463

0.4204

416.5094, 0.3083,
0.3453

1.2109, 0.2748,
0.4660

0.0706, 0.0000,
1.0000

77.6890, 0.3048,
0.3581

77.6890, 0.3048,
0.3581

73.8440, 0.2997,
0.3802

82.1388, 0.3100,
0.3383

70.5679, 0.2950,
0.4046

87.2078, 0.3152,
0.3209

67.8360, 0.2909,
0.4310

89.0538, 0.3135,
0.3117

65.6180, 0.2878,
0.4586

■ 63.8805, 0.2859,
0.4865

■ 62.5859, 0.2855,
0.5134

■ 61.6909, 0.2867,
0.5379

■ 61.1428, 0.2894,
0.5587

■ 60.9653, 0.2909,
0.5672

Harmonies

Analogous

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



77.6890, 0.3270, 0.3676



77.6890, 0.3048, 0.3581



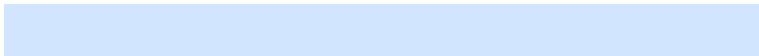
77.6890, 0.2852, 0.3400

Triad

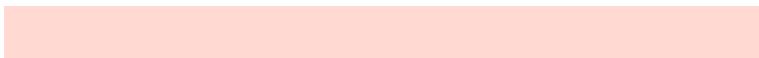
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6890, 0.3048, 0.3581



77.6890, 0.2800, 0.2931



77.6890, 0.3540, 0.3364

Complementary

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



77.6890, 0.3048, 0.3581



65.3194, 0.3217, 0.3016

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.



77.6890, 0.3405, 0.3178



77.6890, 0.3048, 0.3581



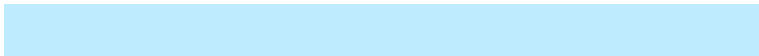
77.6890, 0.2974, 0.2933

Square

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



77.6890, 0.3048, 0.3581



77.6890, 0.2712, 0.3022



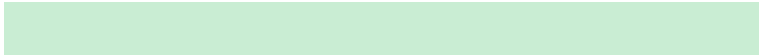
77.6890, 0.3196, 0.3023



77.6890, 0.3559, 0.3540

Rectangle

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



77.6890, 0.3048, 0.3581



77.6890, 0.2761, 0.3260



77.6890, 0.3196, 0.3023



77.6890, 0.3506, 0.3301

Sweetspot

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



77.6923, 0.3048, 0.3581



97.0826, 0.3101, 0.3380



81.1867, 0.3288, 0.3675



20.6951, 0.3097, 0.3393



0.0000, 0.0000, 0.0000



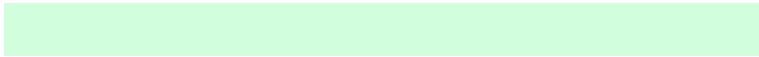
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6923, 0.3048, 0.3581



90.3558, 0.3033, 0.3642



78.6245, 0.2945, 0.3382



16.9309, 0.3078, 0.3465



33.3009, 0.2901, 0.5645



2.6308, 0.2826, 0.5373

Inverse Universe

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



65.3194, 0.3217, 0.3016



73.3358, 0.3236, 0.2962



64.3961, 0.3348, 0.3200



15.2382, 0.3180, 0.3121



11.4618, 0.4062, 0.2011



0.9162, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 77.6890, 0.3048, 0.3581 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 77.6890, 0.3048, 0.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

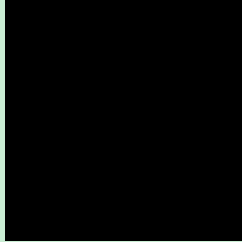
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

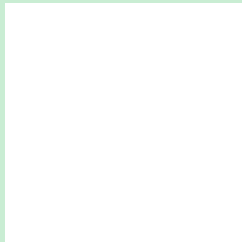
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6890, 0.3048, 0.3581

Background



This preview shows how black text looks on a background with the Yxy color 77.6890, 0.3048, 0.3581.

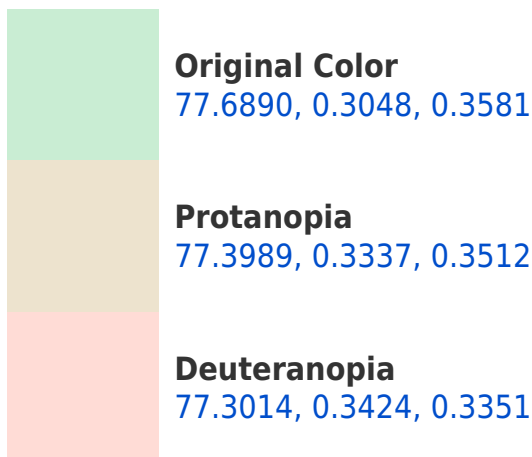


This preview shows how white text looks on a background with the Yxy color 77.6890, 0.3048, 0.3581.

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

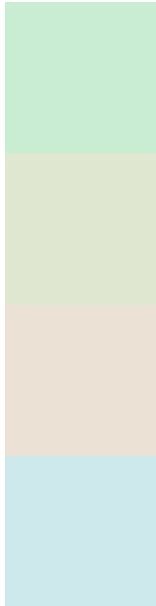




Tritanopia

77.4639, 0.2863, 0.3087

Trichromacy



Original Color

77.6890, 0.3048, 0.3581

Protanomaly

77.5532, 0.3226, 0.3538

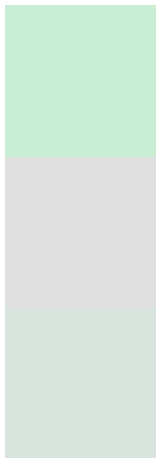
Deuteranomaly

76.8590, 0.3276, 0.3428

Tritanomaly

77.3131, 0.2926, 0.3257

Monochromacy



Original Color

77.6890, 0.3048, 0.3581

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.0484, 0.3095, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6890, 0.3048, 0.3581 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(201, 237, 211)` looks like.

```
.text, #text, p{  
    color:rgb(201, 237, 211)  
}
```

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(201, 237, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 237, 211) }
```

Border

The CSS property to change the border of an element to Yxy 77.6890, 0.3048, 0.3581 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(201, 237, 211) }
```

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

```
.border{ border-color:rgb(201, 237, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 237, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 237, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 237, 211);  
box-shadow:4px 4px 4px 4px rgb(201, 237,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6890, 0.3048, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 237, 211) }
```

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

```
.background{ background-color: rgb(201,  
237, 211) }
```

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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