

# Converting Colors

$Yxy(77.9255, 0.3275, 0.3896)$

Have a look what the booklet for  
Yxy(77.9255, 0.3275, 0.3896)  
contains.

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# Color

**Yxy(77.6889, 0.3280, 0.3895)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2EDB7
RGB	210, 237, 183
RGB Percent	82%, 93%, 72%
CMY	0.1762, 0.0706, 0.2823
CMYK	0.11, 0.00, 0.23, 0.07
HSL	90°, 60%, 82%
HSV	90°, 23%, 93%
XYZ	65.4222, 77.6889, 56.3469
YIQ	222.7710, 1.2420, -22.5180

# Conversions

## Conversions Part 2

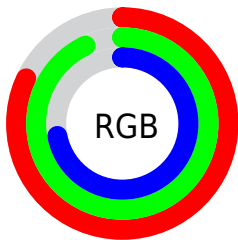
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	183, 237, 210
Decimal	13823415
CIE <sub>Lab</sub>	90.64, -18.18, 23.29
CIE <sub>LCh</sub>	91, 29.542, 127.975
Y <sub>xy</sub>	77.6889, 0.3280, 0.3895
Android (android.graphics.Color)	4292013495 (0xFFD2EDB7)
YUV	222.7710, -19.6071, -11.2002
Hunter-Lab	88.1413, -21.7570, 23.7961

# Details

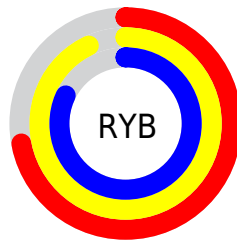
The Yxy color **77.6889, 0.3280, 0.3895** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.6733, 0.2941, 0.2686**, and the grayscale version is **73.7705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **41.6280, 0.3306, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **75.1148, 0.3342, 0.4189**, and if you desaturate by 10%, it is **80.5641, 0.3214, 0.3616**.

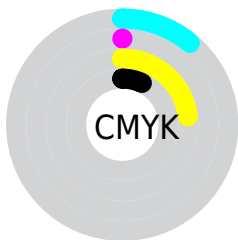
# Distribution



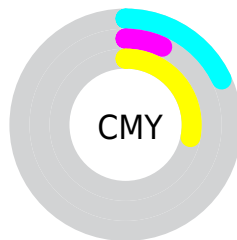
- Red (82%)
- Green (93%)
- Blue (72%)



- Red (72%)
- Yellow (93%)
- Blue (82%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)




- Cyan (18%)
- Magenta (7%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6889, 0.3280, 0.3895 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 77.6889, 0.3280, 0.3895 by changing the saturation by 10% instead.




 77.6889, 0.3280,  
0.3895

 77.6889, 0.3280,  
0.3895

487.1096, 0.3215,  
0.3610

 57.8185, 0.3293,  
0.3961

 130.1115, 0.3259,  
0.3795

 41.6627, 0.3309,  
0.4043


163.4324, 0.3250,  
0.3757

 28.8373, 0.3327,  
0.4148


202.0056, 0.3242,  
0.3724

 18.9578, 0.3348,  
0.4286

246.2155, 0.3236,  
0.3695

 11.6398, 0.3373,  
0.4475

296.4464, 0.3230,  
0.3670

 6.4989, 0.3397,  
0.4749

353.0828, 0.3224,

 3.1507, 0.3410,

0.3647

0.5178

416.5091, 0.3219,  
0.3628

1.2109, 0.3581,  
0.6419

0.0706, 0.0000,  
1.0000

77.6889, 0.3280,  
0.3895

77.6889, 0.3280,  
0.3895

75.1148, 0.3342,  
0.4189

80.5641, 0.3214,  
0.3616

72.8206, 0.3395,  
0.4490

83.7407, 0.3146,  
0.3358

70.7978, 0.3435,  
0.4788

87.2319, 0.3079,  
0.3122

69.0335, 0.3457,  
0.5066

89.0429, 0.3135,  
0.3117

■ 67.5136, 0.3459,  
0.5311

■ 66.2219, 0.3438,  
0.5507

■ 65.1395, 0.3396,  
0.5646

■ 64.4689, 0.3357,  
0.5717

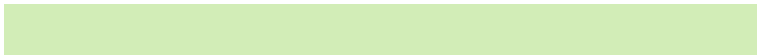
# Harmonies

## Analogous

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



77.6889, 0.3597, 0.3887



77.6889, 0.3280, 0.3895



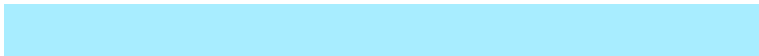
77.6889, 0.2934, 0.3712

# Triad

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



77.6889, 0.3280, 0.3895



77.6889, 0.2499, 0.2829



77.6889, 0.3618, 0.3163

# Complementary

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



77.6889, 0.3280, 0.3895



53.6733, 0.2941, 0.2686

# Split Complementary

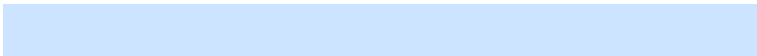
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6889, 0.3298, 0.2917



77.6889, 0.3280, 0.3895



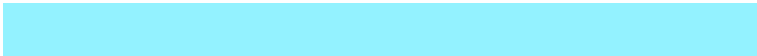
77.6889, 0.2658, 0.2723

# Square

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



77.6889, 0.3280, 0.3895



77.6889, 0.2496, 0.3069



77.6889, 0.2946, 0.2759



77.6889, 0.3802, 0.3449



# Rectangle

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



77.6889, 0.3280, 0.3895



77.6889, 0.2733, 0.3510



77.6889, 0.2946, 0.2759



77.6889, 0.3522, 0.3074

# Sweetspot

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



77.6923, 0.3280, 0.3895



97.2534, 0.3175, 0.3465



67.0701, 0.3533, 0.3575



20.7674, 0.3179, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

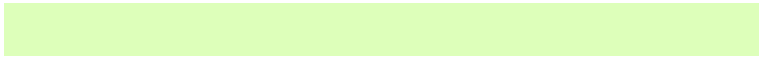


# Same Dimension

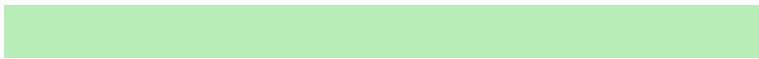
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6923, 0.3280, 0.3895



90.3898, 0.3307, 0.4021



74.1600, 0.3103, 0.3929



17.2330, 0.3191, 0.3528



35.2790, 0.3369, 0.5707



2.8275, 0.3473, 0.5624



# Inverse Universe

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



53.6733, 0.2941, 0.2686



57.6938, 0.2899, 0.2561



57.8300, 0.3147, 0.2722



14.9180, 0.3058, 0.3052



5.5275, 0.2022, 0.0888

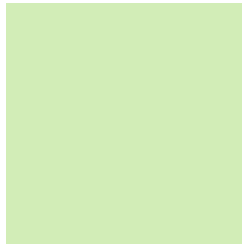


0.4912, 0.2172, 0.0970



# Previews

## White Background



This preview shows how the Yxy color 77.6889, 0.3280, 0.3895 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

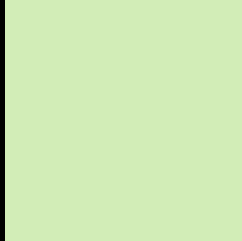
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6889, 0.3280, 0.3895 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

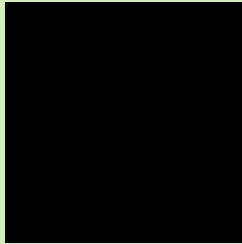
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

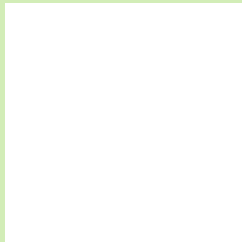
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6889, 0.3280, 0.3895**

## Background



This preview shows how black text looks on a background with the Yxy color 77.6889, 0.3280, 0.3895.

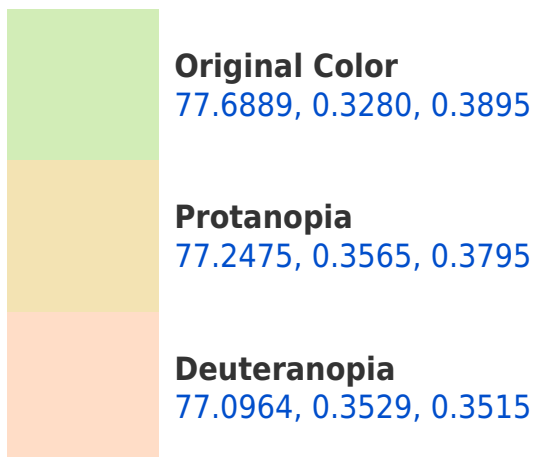


This preview shows how white text looks on a background with the Yxy color 77.6889, 0.3280, 0.3895.

# 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

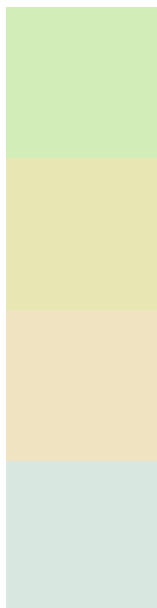




## Tritanopia

77.4178, 0.2956, 0.3091

# Trichromacy



## Original Color

77.6889, 0.3280, 0.3895

## Protanomaly

77.4360, 0.3460, 0.3840

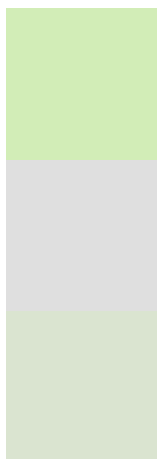
## Deuteranomaly

77.1391, 0.3440, 0.3650

## Tritanomaly

77.1326, 0.3070, 0.3366

# Monochromacy



## Original Color

77.6889, 0.3280, 0.3895

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.9463, 0.3186, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6889, 0.3280, 0.3895 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(210, 237, 183)` looks like.

```
.text, #text, p{  
    color:rgb(210, 237, 183)  
}
```

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(210, 237, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 237, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6889, 0.3280, 0.3895 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(210, 237, 183) }
```

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

```
.border{ border-color:rgb(210, 237, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 237, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 237, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 237, 183);  
box-shadow:4px 4px 4px 4px rgb(210, 237,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6889, 0.3280, 0.3895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 237, 183) }
```

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

```
.background{ background-color: rgb(210,  
237, 183) }
```

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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