

Converting Colors

$Yxy(77.6632, 0.3054, 0.3507)$

Have a look what the booklet for
Yxy(77.6632, 0.3054, 0.3507)
contains.

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Color

Yxy(77.4963, 0.3051, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	CEEBD8
RGB	206, 235, 216
RGB Percent	81%, 92%, 85%
CMY	0.1922, 0.0784, 0.1529
CMYK	0.12, 0.00, 0.08, 0.08
HSL	141°, 42%, 86%
HSV	141°, 12%, 92%
XYZ	67.5546, 77.4963, 76.3671
YIQ	224.1630, -11.1850, -12.0570

Conversions

Conversions Part 2

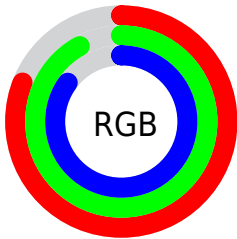
Format	Color
R _Y B	206, 228, 235
Decimal	13560792
CIE Lab	90.55, -13.05, 6.01
CIE LCh	91, 14.369, 155.277
Yxy	77.4963, 0.3051, 0.3500
Android (android.graphics.Color)	4291750872 (0xFFCEEBD8)
YUV	224.1630, -4.0244, -15.9290
Hunter-Lab	88.0320, -17.0773, 10.1888

Details

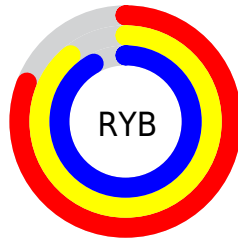
The Yxy color **77.4963, 0.3051, 0.3500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2367, 0.3212, 0.3089**, and the grayscale version is **74.7000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4888, 0.3038, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **73.6249, 0.2991, 0.3694**, and if you desaturate by 10%, it is **81.9517, 0.3113, 0.3328**.

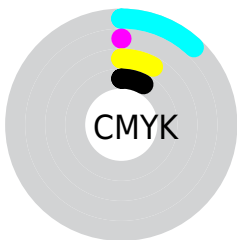
Distribution



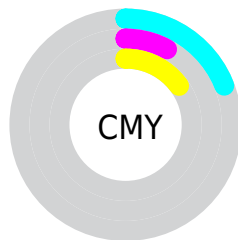
- Red (81%)
- Green (92%)
- Blue (85%)



- Red (81%)
- Yellow (89%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)





- Cyan (19%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4963, 0.3051, 0.3500 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 77.4963, 0.3051, 0.3500 by changing the saturation by 10% instead.


 77.4963, 0.3051,
0.3500

 77.4963, 0.3051,
0.3500

486.4545, 0.3087,
0.3402

 57.6603, 0.3043,
0.3522


129.8398, 0.3063,
0.3466

 41.5356, 0.3033,
0.3550


163.1161, 0.3068,
0.3453

 28.7378, 0.3019,
0.3586


201.6413, 0.3072,
0.3441

 18.8826, 0.3002,
0.3632

245.7998, 0.3076,
0.3432

 11.5855, 0.2978,
0.3696

295.9760, 0.3079,
0.3423

 6.4621, 0.2944,
0.3789

352.5542, 0.3082,

 3.1280, 0.2888,

0.3415

415.9189, 0.3084,
0.3408

0.3938

1.1989, 0.2785,
0.4219

0.0608, 0.0000,
1.0000

77.4963, 0.3051,
0.3500

77.4963, 0.3051,
0.3500

73.6249, 0.2991,
0.3694

81.9517, 0.3113,
0.3328

70.3033, 0.2934,
0.3908

87.0040, 0.3174,
0.3175

67.5088, 0.2884,
0.4141

87.9010, 0.3136,
0.3097

65.2132, 0.2844,
0.4388

■ 63.3856, 0.2817,
0.4644

■ 61.9915, 0.2806,
0.4898

■ 60.9914, 0.2812,
0.5141

■ 60.3381, 0.2837,
0.5360

■ 60.0170, 0.2863,
0.5508

Harmonies

Analogous

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



77.4963, 0.3222, 0.3580



77.4963, 0.3051, 0.3500



77.4963, 0.2904, 0.3359

Triad

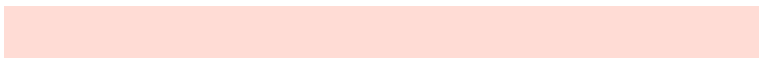
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4963, 0.3051, 0.3500



77.4963, 0.2886, 0.3010



77.4963, 0.3448, 0.3364

Complementary

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



77.4963, 0.3051, 0.3500



67.2367, 0.3212, 0.3089

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.



77.4963, 0.3353, 0.3218



77.4963, 0.3051, 0.3500



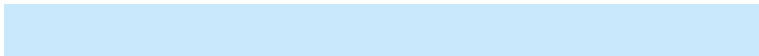
77.4963, 0.3026, 0.3018

Square

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



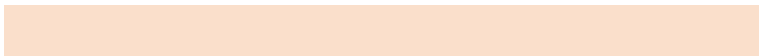
77.4963, 0.3051, 0.3500



77.4963, 0.2810, 0.3076



77.4963, 0.3198, 0.3093



77.4963, 0.3454, 0.3495

Rectangle

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



77.4963, 0.3051, 0.3500



77.4963, 0.2837, 0.3253



77.4963, 0.3198, 0.3093



77.4963, 0.3426, 0.3315

Sweetspot

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



77.4996, 0.3051, 0.3500



97.6938, 0.3102, 0.3355



79.9382, 0.3244, 0.3601



20.8204, 0.3098, 0.3367



0.0000, 0.0000, 0.0000



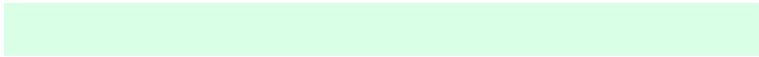
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4996, 0.3051, 0.3500



91.9440, 0.3034, 0.3551



78.2642, 0.2967, 0.3342



16.9480, 0.3069, 0.3448



33.4214, 0.2855, 0.5479



2.6419, 0.2777, 0.5198

Inverse Universe

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



67.2367, 0.3212, 0.3089



77.1554, 0.3233, 0.3043



66.4955, 0.3315, 0.3239



15.2203, 0.3191, 0.3137



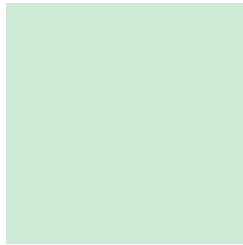
11.1509, 0.4318, 0.2152



0.8936, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 77.4963, 0.3051, 0.3500 looks on a white background.

Color Contrast Check

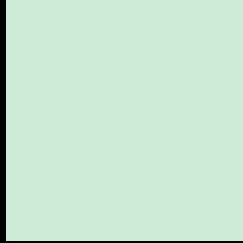
Large Text (above 18pt) WCAG AA × Fail

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 77.4963, 0.3051, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

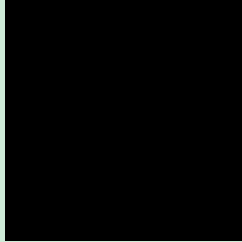
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

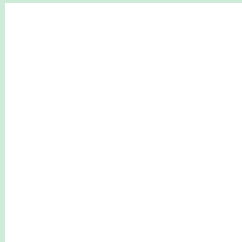
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4963, 0.3051, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 77.4963, 0.3051, 0.3500.

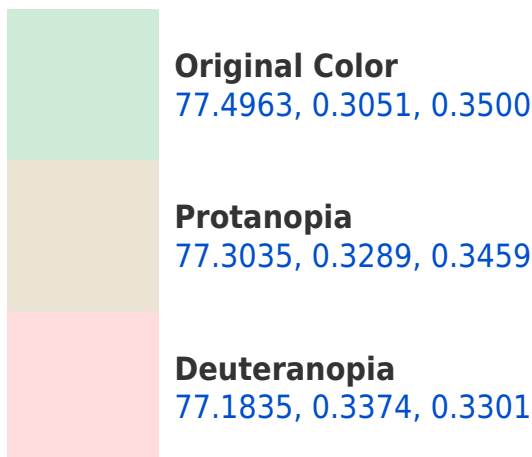


This preview shows how white text looks on a background with the Yxy color 77.4963, 0.3051, 0.3500.

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

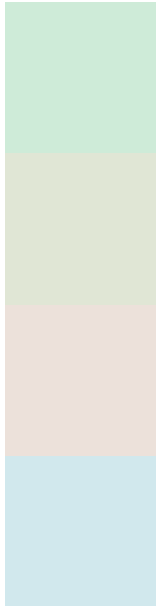




Tritanopia

77.2821, 0.2887, 0.3088

Trichromacy



Original Color

77.4963, 0.3051, 0.3500

Protanomaly

77.2450, 0.3194, 0.3473

Deuteranomaly

76.7452, 0.3251, 0.3364

Tritanomaly

77.3830, 0.2945, 0.3236

Monochromacy



Original Color

77.4963, 0.3051, 0.3500

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4590, 0.3096, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4963, 0.3051, 0.3500 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(206, 235, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 235, 216)  
}
```

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(206, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 235, 216) }
```

Border

The CSS property to change the border of an element to Yxy 77.4963, 0.3051, 0.3500 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(206, 235, 216) }
```

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

```
.border{ border-color:rgb(206, 235, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 235, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 235,  
216) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.4963, 0.3051, 0.3500$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 235, 216) }
```

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

```
.background{ background-color: rgb(206,  
235, 216) }
```

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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