

Converting Colors

$Yxy(77.5993, 0.3149, 0.3715)$

Have a look what the booklet for
Yxy(77.5993, 0.3149, 0.3715)
contains.

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Color

Yxy(77.6710, 0.3147, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	CDEDC7
RGB	205, 237, 199
RGB Percent	80%, 93%, 78%
CMY	0.1960, 0.0706, 0.2195
CMYK	0.13, 0.00, 0.16, 0.07
HSL	111°, 51%, 85%
HSV	111°, 16%, 93%
XYZ	65.7779, 77.6710, 65.5689
YIQ	223.1000, -6.8740, -18.6020

Conversions

Conversions Part 2

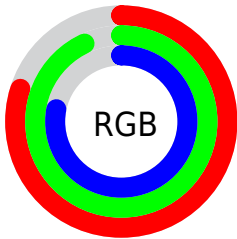
Format	Color
RYB	199, 237, 231
Decimal	13495751
CIELab	90.63, -17.34, 14.95
CIELCh	91, 22.899, 139.236
Yxy	77.6710, 0.3147, 0.3716
Android (android.graphics.Color)	4291685831 (0xFFCDEDC7)
YUV	223.1000, -11.8813, -15.8737
Hunter-Lab	88.1312, -21.0036, 17.5805

Details

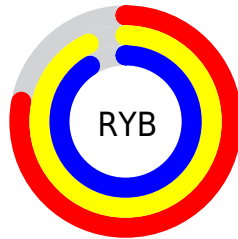
The Yxy color **77.6710, 0.3147, 0.3716** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.9563, 0.3100, 0.2888**, and the grayscale version is **73.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5761, 0.3145, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **73.9988, 0.3156, 0.4021**, and if you desaturate by 10%, it is **81.8830, 0.3135, 0.3441**.

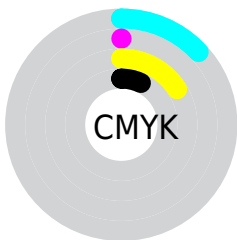
Distribution



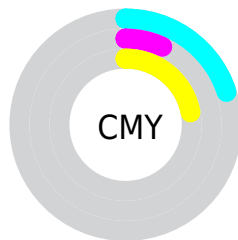
- Red (80%)
- Green (93%)
- Blue (78%)



- Red (78%)
- Yellow (93%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6710, 0.3147, 0.3716 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 77.6710, 0.3147, 0.3716 by changing the saturation by 10% instead.

■ 77.6710, 0.3147,
0.3716

■ 77.6710, 0.3147,
0.3716

487.0488, 0.3141,
0.3516

■ 57.8038, 0.3148,
0.3763

130.0862, 0.3145,
0.3646

■ 41.6509, 0.3148,
0.3820

163.4030, 0.3145,
0.3619

■ 28.8280, 0.3148,
0.3894

201.9718, 0.3144,
0.3596

■ 18.9508, 0.3147,
0.3992

246.1769, 0.3143,
0.3575

■ 11.6347, 0.3144,
0.4127

296.4027, 0.3142,
0.3558

■ 6.4955, 0.3136,
0.4325


353.0337, 0.3142,


■ 3.1486, 0.3112,


0.3542


0.4641


416.4543, 0.3141,
0.3528


 1.2098, 0.3247,
0.5651


 0.0697, 0.0000,
1.0000


 77.6710, 0.3147,
0.3716


 77.6710, 0.3147,
0.3716


 73.9988, 0.3156,
0.4021


 81.8830, 0.3135,
0.3441

 70.8348, 0.3161,
0.4351

 86.6451, 0.3122,
0.3197

 68.1596, 0.3161,
0.4695

 89.0461, 0.3135,
0.3117

 65.9484, 0.3153,
0.5036

■ 64.1743, 0.3137,
0.5353

■ 62.8074, 0.3114,
0.5621

■ 61.8142, 0.3084,
0.5819

■ 61.1550, 0.3052,
0.5937

■ 60.9692, 0.3041,
0.5968

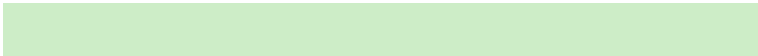
Harmonies

Analogous

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



77.6710, 0.3410, 0.3770



77.6710, 0.3147, 0.3716



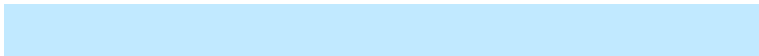
77.6710, 0.2887, 0.3531

Triad

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



77.6710, 0.3147, 0.3716



77.6710, 0.2668, 0.2887



77.6710, 0.3576, 0.3277

Complementary

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



77.6710, 0.3147, 0.3716



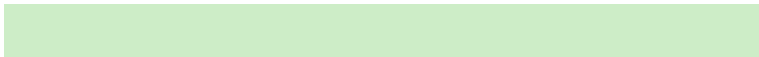
63.9563, 0.3100, 0.2888

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.



77.6710, 0.3361, 0.3064



77.6710, 0.3147, 0.3716



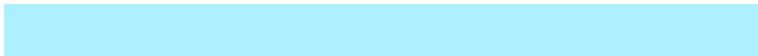
77.6710, 0.2837, 0.2843

Square

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



77.6710, 0.3147, 0.3716



77.6710, 0.2618, 0.3042



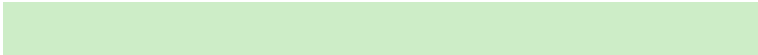
77.6710, 0.3089, 0.2908



77.6710, 0.3665, 0.3502

Rectangle

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



77.6710, 0.3147, 0.3716



77.6710, 0.2749, 0.3364



77.6710, 0.3089, 0.2908



77.6710, 0.3515, 0.3203

Sweetspot

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



77.6743, 0.3147, 0.3716



97.2270, 0.3134, 0.3415



79.0937, 0.3378, 0.3624



20.7300, 0.3135, 0.3433



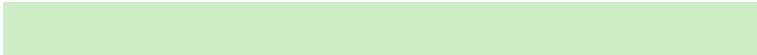
0.0000, 0.0000, 0.0000



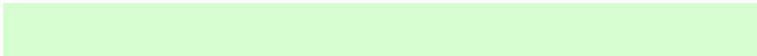
21.4041, 0.3127, 0.3290

Same Dimension

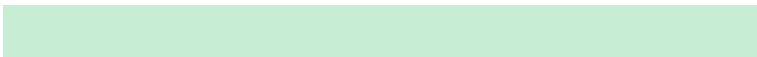
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6743, 0.3147, 0.3716



90.3324, 0.3150, 0.3806



77.4482, 0.3031, 0.3574



16.9766, 0.3139, 0.3532



33.3244, 0.3047, 0.5962



2.6514, 0.3125, 0.5900

Inverse Universe

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



63.9563, 0.3100, 0.2888



71.4619, 0.3094, 0.2809



64.2600, 0.3238, 0.3022



15.1860, 0.3113, 0.3056



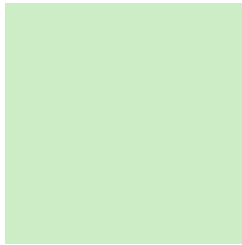
10.0508, 0.2812, 0.1323



0.8216, 0.2870, 0.1355

Previews

White Background



This preview shows how the Yxy color 77.6710, 0.3147, 0.3716 looks on a white background.

Color Contrast Check

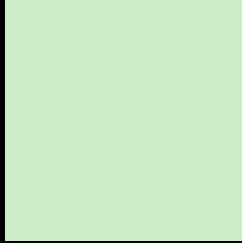
Large Text (above 18pt) WCAG AA × Fail

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 77.6710, 0.3147, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

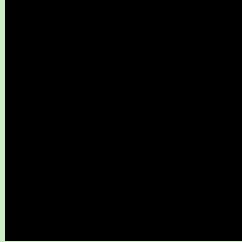
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

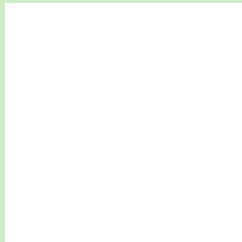
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6710, 0.3147, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 77.6710, 0.3147, 0.3716.

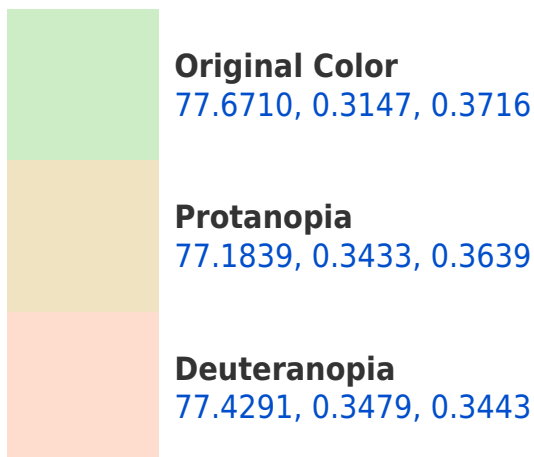


This preview shows how white text looks on a background with the Yxy color 77.6710, 0.3147, 0.3716.

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

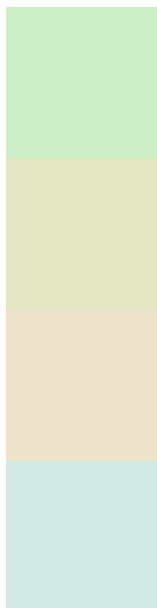




Tritanopia

77.5171, 0.2906, 0.3099

Trichromacy



Original Color

77.6710, 0.3147, 0.3716

Protanomaly

77.4682, 0.3325, 0.3669

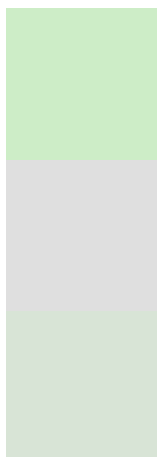
Deuteranomaly

77.2545, 0.3357, 0.3544

Tritanomaly

77.6926, 0.2993, 0.3322

Monochromacy



Original Color

77.6710, 0.3147, 0.3716

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.9408, 0.3134, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6710, 0.3147, 0.3716 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(205, 237, 199)` looks like.

```
.text, #text, p{  
    color:rgb(205, 237, 199)  
}
```

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(205, 237, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 237, 199) }
```

Border

The CSS property to change the border of an element to Yxy 77.6710, 0.3147, 0.3716 is called "border". The border property can be set on classes, ids or directly on the HTML element.

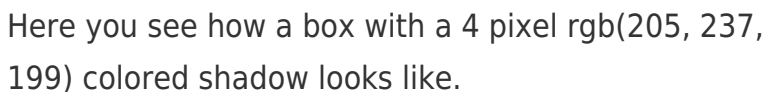
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 237, 199) }
```

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

```
.border{ border-color:rgb(205, 237, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 237, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 237, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 237, 199); box-shadow:4px 4px 4px 4px rgb(205, 237, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6710, 0.3147, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 237, 199) }
```

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

```
.background{ background-color: rgb(205,  
237, 199) }
```

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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