

Converting Colors

$Yxy(76.7593, 0.3168, 0.3705)$

Have a look what the booklet for
Yxy(76.7593, 0.3168, 0.3705)
contains.

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Color

Yxy(76.7593, 0.3168, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	CFEBC6
RGB	207, 235, 198
RGB Percent	81%, 92%, 78%
CMY	0.1882, 0.0784, 0.2235
CMYK	0.12, 0.00, 0.16, 0.08
HSL	105°, 48%, 85%
HSV	105°, 16%, 92%
XYZ	65.6339, 76.7593, 64.7844
YIQ	222.4100, -4.8110, -17.4430

Conversions

Conversions Part 2

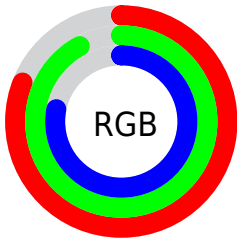
Format	Color
RYB	198, 235, 226
Decimal	13626310
CIELab	90.21, -15.86, 14.91
CIELCh	90, 21.766, 136.779
Yxy	76.7593, 0.3168, 0.3705
Android (android.graphics.Color)	4291816390 (0xFFCFEBC6)
YUV	222.4100, -12.0341, -13.5146
Hunter-Lab	87.6124, -19.6003, 17.4870

Details

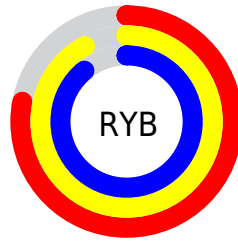
The Yxy color **76.7593, 0.3168, 0.3705** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.5587, 0.3077, 0.2892**, and the grayscale version is **73.4433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9292, 0.3172, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **73.3416, 0.3191, 0.4004**, and if you desaturate by 10%, it is **80.6404, 0.3142, 0.3433**.

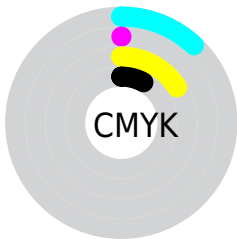
Distribution



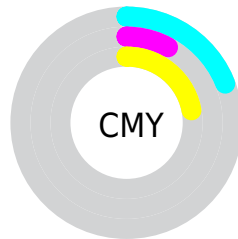
- Red (81%)
- Green (92%)
- Blue (78%)



- Red (78%)
- Yellow (92%)
- Blue (89%)



- Cyan (12%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)





- Cyan (19%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7593, 0.3168, 0.3705 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 76.7593, 0.3168, 0.3705 by changing the saturation by 10% instead.


 76.7593, 0.3168,
0.3705

 76.7593, 0.3168,
0.3705


483.9430, 0.3152,
0.3510

 57.0553, 0.3171,
0.3750


128.7997, 0.3163,
0.3637

 41.0497, 0.3174,
0.3807


161.9048, 0.3161,
0.3610

 28.3579, 0.3178,
0.3879


200.2459, 0.3159,
0.3588

 18.5956, 0.3182,
0.3974

244.2072, 0.3157,
0.3568

 11.3785, 0.3185,
0.4106

294.1732, 0.3156,
0.3551

 6.3220, 0.3186,
0.4299

350.5282, 0.3154,

 3.0418, 0.3177,

0.3535

0.4609

413.6567, 0.3153,
0.3522

■ 1.1536, 0.3386,
0.5684

■ 0.0233, 0.0000,
1.0000

■ 76.7593, 0.3168,
0.3705

■ 76.7593, 0.3168,
0.3705

■ 73.3416, 0.3191,
0.4004

■ 80.6404, 0.3142,
0.3433

■ 70.3603, 0.3208,
0.4326

■ 84.9914, 0.3116,
0.3190

■ 67.8001, 0.3219,
0.4660

■ 87.8995, 0.3136,
0.3097

■ 65.6414, 0.3219,
0.4991

■ 63.8627, 0.3208,
0.5300

■ 62.4406, 0.3185,
0.5564

■ 61.3485, 0.3149,
0.5765

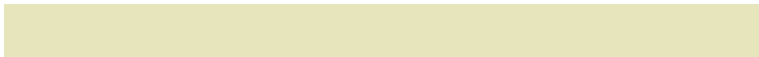
■ 60.5555, 0.3106,
0.5892

■ 60.2936, 0.3089,
0.5930

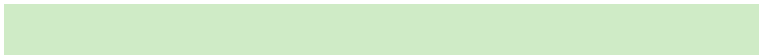
Harmonies

Analogous

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



76.7593, 0.3416, 0.3746



76.7593, 0.3168, 0.3705



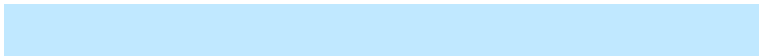
76.7593, 0.2917, 0.3537

Triad

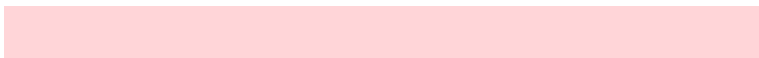
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7593, 0.3168, 0.3705



76.7593, 0.2680, 0.2914



76.7593, 0.3542, 0.3261

Complementary

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



76.7593, 0.3168, 0.3705



62.5587, 0.3077, 0.2892

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.



76.7593, 0.3331, 0.3059



76.7593, 0.3168, 0.3705



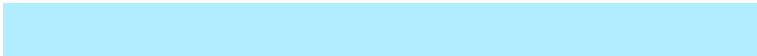
76.7593, 0.2833, 0.2862

Square

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



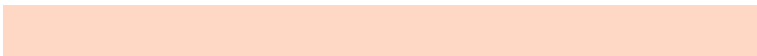
76.7593, 0.3168, 0.3705



76.7593, 0.2642, 0.3070



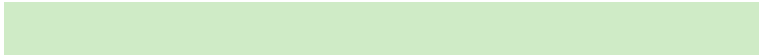
76.7593, 0.3069, 0.2916



76.7593, 0.3638, 0.3477

Rectangle

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



76.7593, 0.3168, 0.3705



76.7593, 0.2780, 0.3381



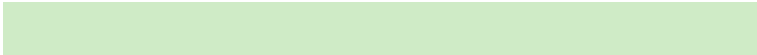
76.7593, 0.3069, 0.2916



76.7593, 0.3482, 0.3190

Sweetspot

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



76.7626, 0.3168, 0.3705



97.4214, 0.3141, 0.3415



75.9999, 0.3378, 0.3586



20.7771, 0.3142, 0.3433



0.0000, 0.0000, 0.0000



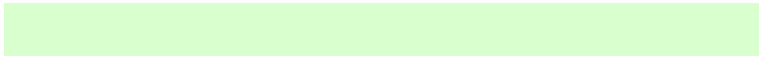
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7626, 0.3168, 0.3705



90.9596, 0.3176, 0.3802



75.9434, 0.3051, 0.3604



17.0390, 0.3152, 0.3531



33.6041, 0.3097, 0.5923



2.6824, 0.3193, 0.5847

Inverse Universe

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



62.5587, 0.3077, 0.2892



70.7215, 0.3065, 0.2804



63.5308, 0.3213, 0.2995



15.1186, 0.3099, 0.3055



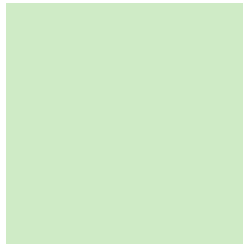
8.6588, 0.2601, 0.1207



0.7239, 0.2689, 0.1255

Previews

White Background



This preview shows how the Yxy color 76.7593, 0.3168, 0.3705 looks on a white background.

Color Contrast Check

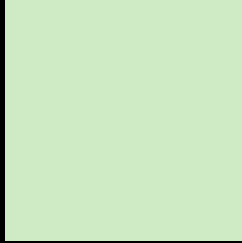
Large Text (above 18pt) WCAG AA × Fail

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 76.7593, 0.3168, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

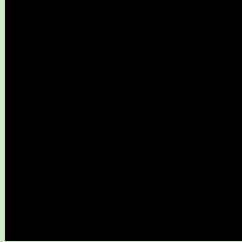
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

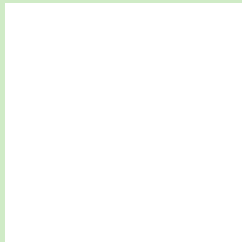
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7593, 0.3168, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 76.7593, 0.3168, 0.3705.

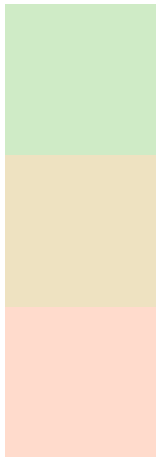


This preview shows how white text looks on a background with the Yxy color 76.7593, 0.3168, 0.3705.

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

76.7593, 0.3168, 0.3705

Protanopia

76.4201, 0.3434, 0.3641

Deuteranopia

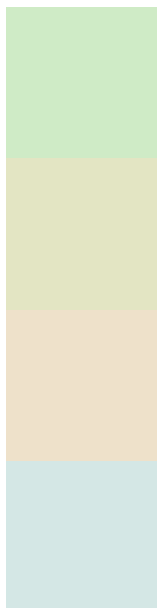
76.2827, 0.3497, 0.3444



Tritanopia

76.5877, 0.2930, 0.3099

Trichromacy



Original Color

76.7593, 0.3168, 0.3705

Protanomaly

76.3096, 0.3335, 0.3659

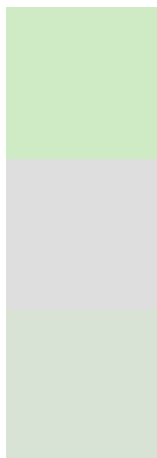
Deuteranomaly

76.2918, 0.3374, 0.3534

Tritanomaly

76.8060, 0.3012, 0.3311

Monochromacy



Original Color

76.7593, 0.3168, 0.3705

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.4940, 0.3148, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7593, 0.3168, 0.3705 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(207, 235, 198)` looks like.

```
.text, #text, p{  
    color:rgb(207, 235, 198)  
}
```

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(207, 235, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 235, 198) }
```

Border

The CSS property to change the border of an element to Yxy 76.7593, 0.3168, 0.3705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

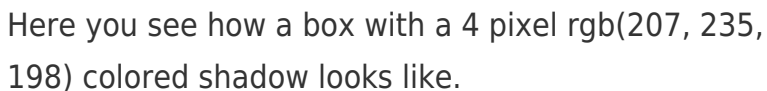
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 235, 198) }
```

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

```
.border{ border-color:rgb(207, 235, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 235, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 235, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 235, 198); box-shadow:4px 4px 4px 4px rgb(207, 235, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7593, 0.3168, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 235, 198) }
```

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

```
.background{ background-color: rgb(207,  
235, 198) }
```

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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