

Converting Colors

$Yxy(75.6615, 0.3149, 0.3695)$

Have a look what the booklet for
Yxy(75.6615, 0.3149, 0.3695)
contains.

Yxy(75.7602, 0.3148, 0.3697)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.7602, 0.3148, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	CCEAC6
RGB	204, 234, 198
RGB Percent	80%, 92%, 78%
CMY	0.2002, 0.0823, 0.2235
CMYK	0.13, 0.00, 0.15, 0.08
HSL	110°, 46%, 85%
HSV	110°, 15%, 92%
XYZ	64.5099, 75.7602, 64.6533
YIQ	220.9260, -6.3240, -17.5560

Conversions

Conversions Part 2

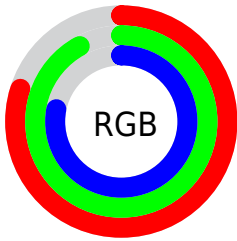
Format	Color
R_{YB}	198, 234, 228
Decimal	13429446
CIE Lab	89.75, -16.40, 14.22
CIE LCh	90, 21.710, 139.076
Yxy	75.7602, 0.3148, 0.3697
Android (android.graphics.Color)	4291619526 (0xFFCCEAC6)
YUV	220.9260, -11.3025, -14.8441
Hunter-Lab	87.0403, -20.0254, 16.8878

Details

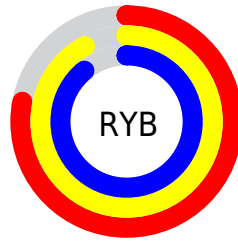
The Yxy color **75.7602, 0.3148, 0.3697** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.8379, 0.3100, 0.2904**, and the grayscale version is **72.3334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3384, 0.3155, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **72.1769, 0.3158, 0.4000**, and if you desaturate by 10%, it is **79.8630, 0.3135, 0.3424**.

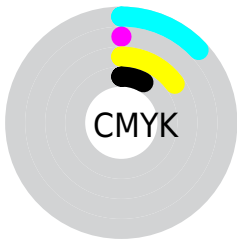
Distribution



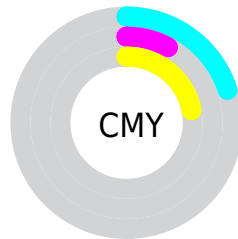
- Red (80%)
- Green (92%)
- Blue (78%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (20%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7602, 0.3148, 0.3697 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 75.7602, 0.3148, 0.3697 by changing the saturation by 10% instead.


 75.7602, 0.3148,
0.3697

 75.7602, 0.3148,
0.3697

480.5264, 0.3141,
0.3505

 56.2359, 0.3149,
0.3742

127.3879, 0.3146,
0.3630

 40.3921, 0.3150,
0.3797

160.2600, 0.3145,
0.3604

 27.8444, 0.3150,
0.3869


198.3503, 0.3144,
0.3581

 18.2084, 0.3150,
0.3963

242.0430, 0.3144,
0.3562

 11.0997, 0.3148,
0.4094

291.7226, 0.3143,
0.3545

 6.1339, 0.3141,
0.4288

347.7734, 0.3142,

 2.9267, 0.3119,

0.3530

0.4600

410.5799, 0.3141,
0.3517

1.0936, 0.3292,
0.5757

0.0000, 0.0000,
0.0000

75.7602, 0.3148,
0.3697

75.7602, 0.3148,
0.3697

72.1769, 0.3158,
0.4000

79.8630, 0.3135,
0.3424

69.0830, 0.3165,
0.4327

84.4947, 0.3120,
0.3182

66.4599, 0.3165,
0.4670

87.3341, 0.3137,
0.3088

64.2842, 0.3159,
0.5011

■ 62.5303, 0.3144,
0.5329

■ 61.1702, 0.3121,
0.5601

■ 60.1720, 0.3091,
0.5804

■ 59.4987, 0.3058,
0.5928

■ 59.2792, 0.3044,
0.5965

Harmonies

Analogous

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



75.7602, 0.3399, 0.3748



75.7602, 0.3148, 0.3697



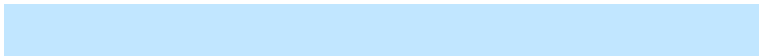
75.7602, 0.2899, 0.3521

Triad

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



75.7602, 0.3148, 0.3697



75.7602, 0.2687, 0.2905



75.7602, 0.3555, 0.3277

Complementary

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



75.7602, 0.3148, 0.3697



62.8379, 0.3100, 0.2904

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.



75.7602, 0.3350, 0.3073



75.7602, 0.3148, 0.3697



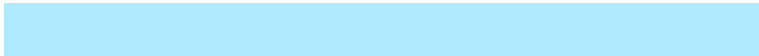
75.7602, 0.2849, 0.2861

Square

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



75.7602, 0.3148, 0.3697



75.7602, 0.2640, 0.3054



75.7602, 0.3089, 0.2923



75.7602, 0.3641, 0.3493

Rectangle

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



75.7602, 0.3148, 0.3697



75.7602, 0.2766, 0.3363



75.7602, 0.3089, 0.2923



75.7602, 0.3497, 0.3206

Sweetspot

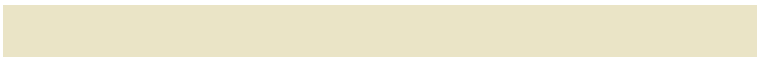
The Sweet Spot groups the original color and five complimentary colors.



75.7634, 0.3148, 0.3697



97.2429, 0.3134, 0.3415



77.0670, 0.3367, 0.3610



20.7339, 0.3135, 0.3433



0.0000, 0.0000, 0.0000



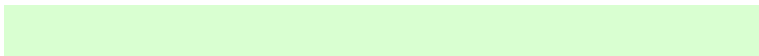
21.4041, 0.3127, 0.3290

Same Dimension

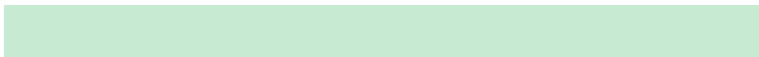
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7634, 0.3148, 0.3697



90.8321, 0.3151, 0.3776



75.5148, 0.3035, 0.3561



16.9817, 0.3140, 0.3532



33.3430, 0.3051, 0.5960



2.6538, 0.3131, 0.5896

Inverse Universe

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



62.8379, 0.3100, 0.2904



72.7195, 0.3094, 0.2834



63.1617, 0.3233, 0.3033



15.1805, 0.3112, 0.3056



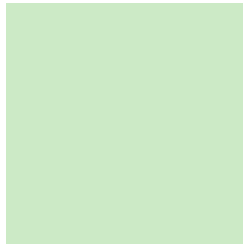
9.9296, 0.2795, 0.1313



0.8132, 0.2856, 0.1347

Previews

White Background



This preview shows how the Yxy color 75.7602, 0.3148, 0.3697 looks on a white background.

Color Contrast Check

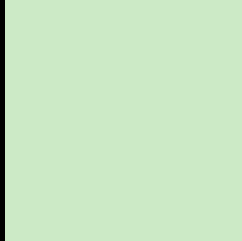
Large Text (above 18pt) WCAG AA × Fail

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 75.7602, 0.3148, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

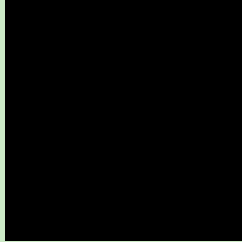
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

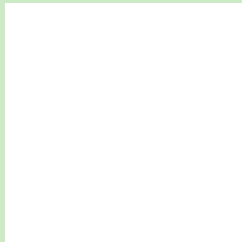
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7602, 0.3148, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 75.7602, 0.3148, 0.3697.

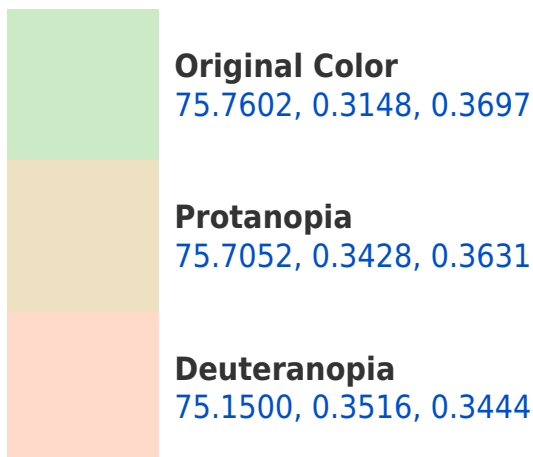


This preview shows how white text looks on a background with the Yxy color 75.7602, 0.3148, 0.3697.

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

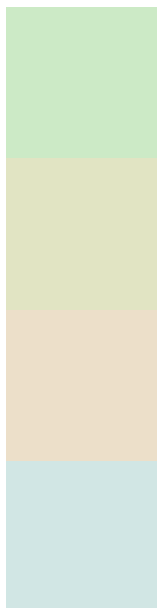




Tritanopia

75.5278, 0.2916, 0.3097

Trichromacy



Original Color

75.7602, 0.3148, 0.3697

Protanomaly

75.4345, 0.3322, 0.3650

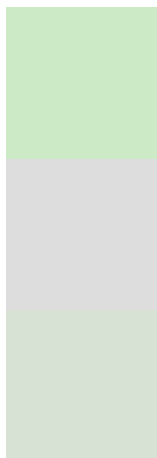
Deuteranomaly

74.8253, 0.3369, 0.3525

Tritanomaly

75.7504, 0.2999, 0.3311

Monochromacy



Original Color

75.7602, 0.3148, 0.3697

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.6439, 0.3134, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7602, 0.3148, 0.3697 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(204, 234, 198)` looks like.

```
.text, #text, p{  
    color:rgb(204, 234, 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(204, 234, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 234, 198) }
```

Border

The CSS property to change the border of an element to Yxy 75.7602, 0.3148, 0.3697 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(204, 234, 198) }
```

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

```
.border{ border-color:rgb(204, 234, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 234, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 234, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 234, 198);  
box-shadow:4px 4px 4px 4px rgb(204, 234,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7602, 0.3148, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 234, 198) }
```

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

```
.background{ background-color: rgb(204,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor