

Converting Colors

$Yxy(76.2502, 0.3148, 0.3644)$

Have a look what the booklet for
Yxy(76.2502, 0.3148, 0.3644)
contains.

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Color

Yxy(76.5198, 0.3151, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	D0EACA
RGB	208, 234, 202
RGB Percent	82%, 92%, 79%
CMY	0.1843, 0.0823, 0.2080
CMYK	0.11, 0.00, 0.14, 0.08
HSL	109°, 43%, 85%
HSV	109°, 14%, 92%
XYZ	66.0948, 76.5198, 67.1436
YIQ	222.5780, -5.2240, -15.4640

Conversions

Conversions Part 2

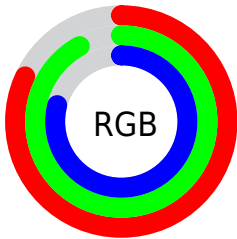
Format	Color
R_{YB}	202, 234, 228
Decimal	13691594
CIE _{Lab}	90.10, -14.35, 12.70
CIE _{LCh}	90, 19.163, 138.501
Yxy	76.5198, 0.3151, 0.3648
Android (android.graphics.Color)	4291881674 (0xFFD0EACA)
YUV	222.5780, -10.1450, -12.7849
Hunter-Lab	87.4756, -18.2113, 15.7237

Details

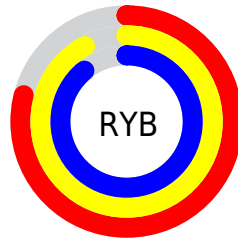
The Yxy color **76.5198, 0.3151, 0.3648** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.6561, 0.3098, 0.2948**, and the grayscale version is **73.5545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7512, 0.3150, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **72.9077, 0.3166, 0.3945**, and if you desaturate by 10%, it is **80.6360, 0.3134, 0.3381**.

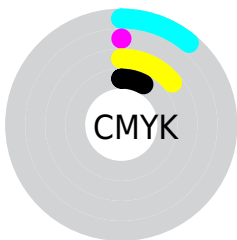
Distribution



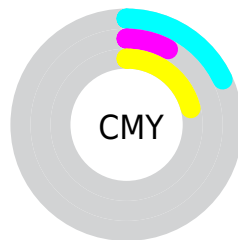
- Red (82%)
- Green (92%)
- Blue (79%)



- Red (79%)
- Yellow (92%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)





- Cyan (18%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5198, 0.3151, 0.3648 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 76.5198, 0.3151, 0.3648 by changing the saturation by 10% instead.


 76.5198, 0.3151,
0.3648

 76.5198, 0.3151,
0.3648


483.1252, 0.3142,
0.3480

 56.8588, 0.3153,
0.3687


128.4614, 0.3148,
0.3589

 40.8919, 0.3154,
0.3735


161.5108, 0.3147,
0.3567

 28.2346, 0.3156,
0.3797


199.7919, 0.3146,
0.3547

 18.5026, 0.3157,
0.3879

243.6890, 0.3145,
0.3530

 11.3114, 0.3158,
0.3992

293.5864, 0.3144,
0.3515

 6.2767, 0.3156,
0.4158

349.8687, 0.3143,

 3.0141, 0.3146,

0.3502

0.4425

412.9202, 0.3143,
0.3490

■ 1.1391, 0.3266,
0.5222

■ 0.0111, 0.0000,
1.0000

■ 76.5198, 0.3151,
0.3648

■ 76.5198, 0.3151,
0.3648

■ 72.9077, 0.3166,
0.3945

■ 80.6360, 0.3134,
0.3381

■ 69.7709, 0.3176,
0.4267

■ 85.2646, 0.3115,
0.3144

■ 67.0921, 0.3181,
0.4605

■ 87.3288, 0.3137,
0.3088

■ 64.8495, 0.3178,
0.4945

■ 63.0195, 0.3166,
0.5267

■ 61.5758, 0.3144,
0.5546

■ 60.4894, 0.3114,
0.5762

■ 59.7264, 0.3078,
0.5902

■ 59.3870, 0.3056,
0.5956

Harmonies

Analogous

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



76.5198, 0.3371, 0.3692



76.5198, 0.3151, 0.3648



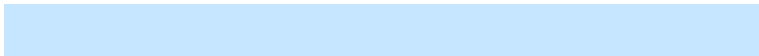
76.5198, 0.2930, 0.3496

Triad

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



76.5198, 0.3151, 0.3648



76.5198, 0.2737, 0.2953



76.5198, 0.3500, 0.3276

Complementary

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



76.5198, 0.3151, 0.3648



64.6561, 0.3098, 0.2948

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.



76.5198, 0.3319, 0.3095



76.5198, 0.3151, 0.3648



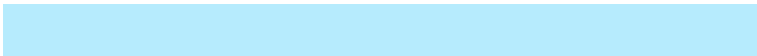
76.5198, 0.2878, 0.2911

Square

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



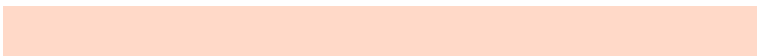
76.5198, 0.3151, 0.3648



76.5198, 0.2697, 0.3087



76.5198, 0.3090, 0.2963



76.5198, 0.3578, 0.3467

Rectangle

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



76.5198, 0.3151, 0.3648



76.5198, 0.2812, 0.3359



76.5198, 0.3090, 0.2963



76.5198, 0.3449, 0.3213

Sweetspot

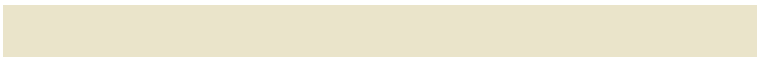
The Sweet Spot groups the original color and five complimentary colors.



76.5231, 0.3151, 0.3648



97.8242, 0.3134, 0.3389



77.0224, 0.3341, 0.3563



20.8533, 0.3136, 0.3408



0.0000, 0.0000, 0.0000



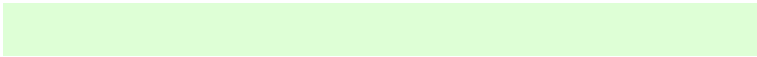
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5231, 0.3151, 0.3648



91.8980, 0.3155, 0.3716



76.1335, 0.3052, 0.3541



16.9988, 0.3144, 0.3532



33.4105, 0.3063, 0.5950



2.6618, 0.3148, 0.5882

Inverse Universe

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



64.6561, 0.3098, 0.2948



75.2445, 0.3092, 0.2886



65.1237, 0.3212, 0.3051



15.1619, 0.3108, 0.3056



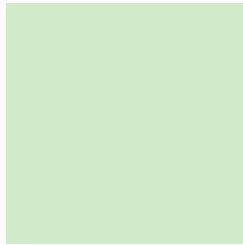
9.5332, 0.2737, 0.1281



0.7856, 0.2806, 0.1319

Previews

White Background



This preview shows how the Yxy color 76.5198, 0.3151, 0.3648 looks on a white background.

Color Contrast Check

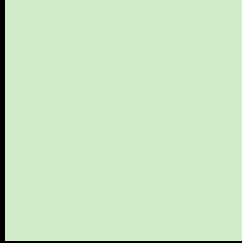
Large Text (above 18pt) WCAG AA × Fail

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 76.5198, 0.3151, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

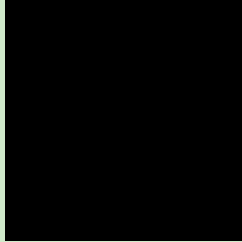
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

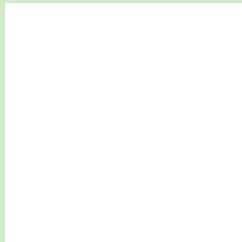
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5198, 0.3151, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 76.5198, 0.3151, 0.3648.

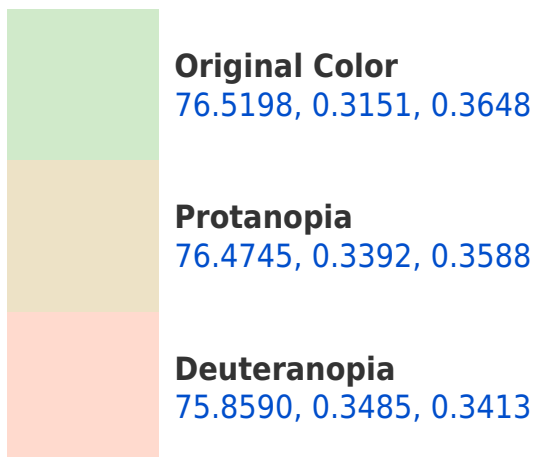


This preview shows how white text looks on a background with the Yxy color 76.5198, 0.3151, 0.3648.

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

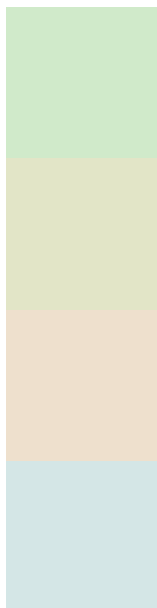




Tritanopia

76.5877, 0.2930, 0.3099

Trichromacy



Original Color

76.5198, 0.3151, 0.3648

Protanomaly

76.3309, 0.3301, 0.3616

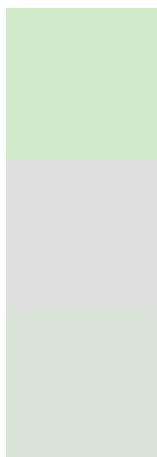
Deuteranomaly

75.8962, 0.3355, 0.3491

Tritanomaly

76.3038, 0.3006, 0.3290

Monochromacy



Original Color

76.5198, 0.3151, 0.3648

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7499, 0.3142, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5198, 0.3151, 0.3648 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(208, 234, 202)` looks like.

```
.text, #text, p{  
    color:rgb(208, 234, 202)  
}
```

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(208, 234, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 234, 202) }
```

Border

The CSS property to change the border of an element to Yxy 76.5198, 0.3151, 0.3648 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(208, 234, 202) }
```

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

```
.border{ border-color:rgb(208, 234, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 234, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 234, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 234, 202);  
box-shadow:4px 4px 4px 4px rgb(208, 234,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5198, 0.3151, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 234, 202) }
```

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

```
.background{ background-color: rgb(208,  
234, 202) }
```

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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