

Converting Colors

$Yxy(76.6922, 0.3229, 0.3811)$

Have a look what the booklet for
Yxy(76.6922, 0.3229, 0.3811)
contains.

Yxy(76.5007, 0.3231, 0.3808)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.5007, 0.3231, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	D0EBBD
RGB	208, 235, 189
RGB Percent	82%, 92%, 74%
CMY	0.1842, 0.0784, 0.2588
CMYK	0.11, 0.00, 0.20, 0.08
HSL	95°, 53%, 83%
HSV	95°, 20%, 92%
XYZ	64.9091, 76.5007, 59.4849
YIQ	221.6830, -1.3260, -20.0300

Conversions

Conversions Part 2

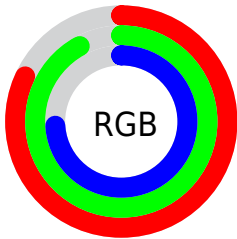
Format	Color
RYB	189, 235, 216
Decimal	13691837
CIELab	90.09, -16.98, 19.42
CIELCh	90, 25.795, 131.167
Yxy	76.5007, 0.3231, 0.3808
Android (android.graphics.Color)	4291881917 (0xFFD0EBBD)
YUV	221.6830, -16.1127, -12.0000
Hunter-Lab	87.4647, -20.5952, 20.9020

Details

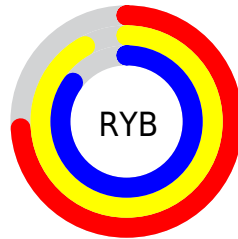
The Yxy color **76.5007, 0.3231, 0.3808** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.9866, 0.3002, 0.2782**, and the grayscale version is **72.9316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **40.7901, 0.3244, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **73.6527, 0.3280, 0.4104**, and if you desaturate by 10%, it is **79.6943, 0.3179, 0.3532**.

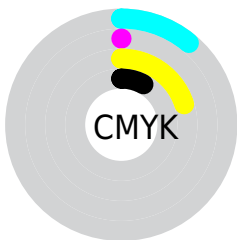
Distribution



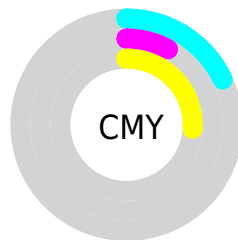
- Red (82%)
- Green (92%)
- Blue (74%)



- Red (74%)
- Yellow (92%)
- Blue (85%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (8%)




- Cyan (18%)
- Magenta (8%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5007, 0.3231, 0.3808 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 76.5007, 0.3231, 0.3808 by changing the saturation by 10% instead.

 76.5007, 0.3231,
0.3808

 76.5007, 0.3231,
0.3808

483.0600, 0.3187,
0.3564

 56.8432, 0.3240,
0.3865

 128.4344, 0.3217,
0.3722

 40.8793, 0.3250,
0.3936


161.4794, 0.3211,
0.3689

 28.2248, 0.3263,
0.4026


199.7557, 0.3206,
0.3661

 18.4952, 0.3277,
0.4146

243.6476, 0.3201,
0.3636

 11.3061, 0.3293,
0.4311

293.5396, 0.3197,
0.3615

 6.2731, 0.3309,
0.4552


349.8161, 0.3193,


 3.0119, 0.3316,

0.3596

0.4935

412.8614, 0.3190,
0.3579

 1.1379, 0.3626,
0.6374


 0.0101, 0.0000,
1.0000


 76.5007, 0.3231,
0.3808


 76.5007, 0.3231,
0.3808


 73.6527, 0.3280,
0.4104


 79.6943, 0.3179,
0.3532

 71.1281, 0.3321,
0.4414

 83.2351, 0.3125,
0.3280

 68.9169, 0.3352,
0.4726

 86.8448, 0.3099,
0.3095

 67.0050, 0.3368,
0.5027

 87.8976, 0.3136,
0.3097

■ 65.3768, 0.3366,
0.5299

■ 64.0151, 0.3344,
0.5525

■ 62.9001, 0.3303,
0.5692

■ 62.0028, 0.3249,
0.5800

■ 61.9685, 0.3246,
0.5804

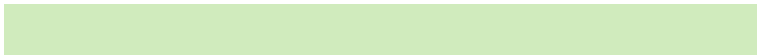
Harmonies

Analogous

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



76.5007, 0.3515, 0.3822



76.5007, 0.3231, 0.3808



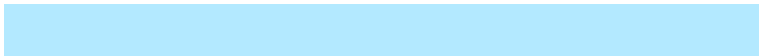
76.5007, 0.2928, 0.3632

Triad

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



76.5007, 0.3231, 0.3808



76.5007, 0.2581, 0.2869



76.5007, 0.3582, 0.3206

Complementary

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



76.5007, 0.3231, 0.3808



56.9866, 0.3002, 0.2782

Split Complementary

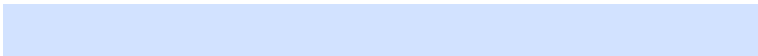
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5007, 0.3311, 0.2980



76.5007, 0.3231, 0.3808



76.5007, 0.2737, 0.2787

Square

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



76.5007, 0.3231, 0.3808



76.5007, 0.2563, 0.3072



76.5007, 0.3000, 0.2830



76.5007, 0.3726, 0.3461

Rectangle

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



76.5007, 0.3231, 0.3808



76.5007, 0.2757, 0.3452



76.5007, 0.3000, 0.2830



76.5007, 0.3502, 0.3125

Sweetspot

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



76.5040, 0.3231, 0.3808



97.3911, 0.3160, 0.3440



70.3620, 0.3459, 0.3581



20.7869, 0.3163, 0.3457



0.0000, 0.0000, 0.0000



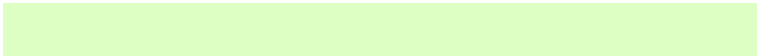
21.4041, 0.3127, 0.3290

Same Dimension

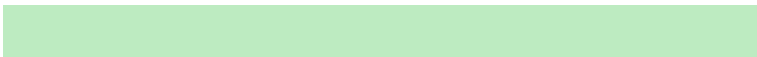
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5040, 0.3231, 0.3808



90.8312, 0.3249, 0.3910



74.0783, 0.3079, 0.3782



17.1663, 0.3178, 0.3529



34.5585, 0.3258, 0.5795



2.7688, 0.3366, 0.5709

Inverse Universe

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



56.9866, 0.3002, 0.2782



63.8050, 0.2976, 0.2684



59.8343, 0.3179, 0.2843



14.9854, 0.3072, 0.3053



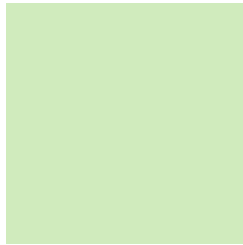
6.4138, 0.2203, 0.0987



0.5598, 0.2339, 0.1062

Previews

White Background



This preview shows how the Yxy color 76.5007, 0.3231, 0.3808 looks on a white background.

Color Contrast Check

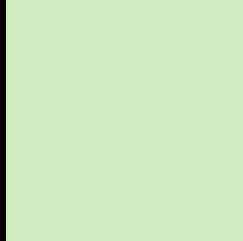
Large Text (above 18pt) WCAG AA × Fail

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 76.5007, 0.3231, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

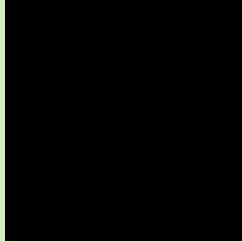
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

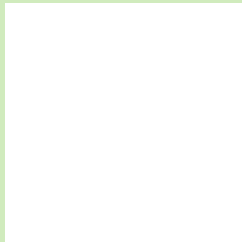
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5007, 0.3231, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 76.5007, 0.3231, 0.3808.

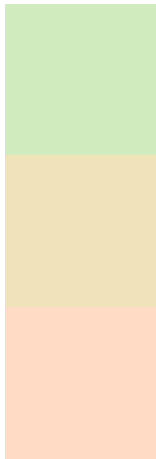


This preview shows how white text looks on a background with the Yxy color 76.5007, 0.3231, 0.3808.

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

76.5007, 0.3231, 0.3808

Protanopia

76.4208, 0.3504, 0.3725

Deuteranopia

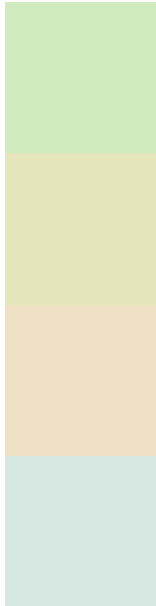
76.0003, 0.3541, 0.3505



Tritanopia

76.2825, 0.2948, 0.3099

Trichromacy



Original Color

76.5007, 0.3231, 0.3808

Protanomaly

76.0778, 0.3402, 0.3758

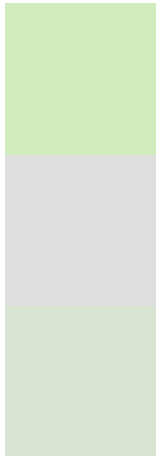
Deuteranomaly

75.9677, 0.3422, 0.3609

Tritanomaly

76.3260, 0.3050, 0.3344

Monochromacy



Original Color

76.5007, 0.3231, 0.3808

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.3430, 0.3167, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5007, 0.3231, 0.3808 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, 235, 189)` looks like.

```
.text, #text, p{  
    color:rgb(208, 235, 189)  
}
```

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, 235, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 235, 189) }
```

Border

The CSS property to change the border of an element to Yxy 76.5007, 0.3231, 0.3808 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, 235, 189) }
```

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

```
.border{ border-color:rgb(208, 235, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 235, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 235, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 235, 189);  
box-shadow:4px 4px 4px 4px rgb(208, 235,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5007, 0.3231, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 235, 189) }
```

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

```
.background{ background-color: rgb(208,  
235, 189) }
```

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