

# Converting Colors

$Yxy(76.9559, 0.3147, 0.3603)$

Have a look what the booklet for  
Yxy(76.9559, 0.3147, 0.3603)  
contains.

<b>Yxy(77.1508, 0.3146, 0.3600)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.1508, 0.3146, 0.3600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3EACE
RGB	211, 234, 206
RGB Percent	83%, 92%, 81%
CMY	0.1727, 0.0823, 0.1921
CMYK	0.10, 0.00, 0.12, 0.08
HSL	109°, 40%, 86%
HSV	109°, 12%, 92%
XYZ	67.4212, 77.1508, 69.7358
YIQ	223.9310, -4.7200, -13.5840

# Conversions

## Conversions Part 2

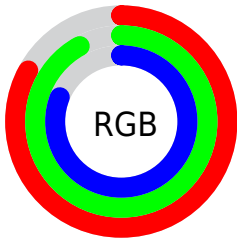
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 234, 229
Decimal	13888206
CIE Lab	90.39, -12.66, 11.04
CIE LCh	90, 16.797, 138.926
Yxy	77.1508, 0.3146, 0.3600
Android (android.graphics.Color)	4292078286 (0xFFD3EACE)
YUV	223.9310, -8.8400, -11.3405
Hunter-Lab	87.8355, -16.6983, 14.4124

# Details

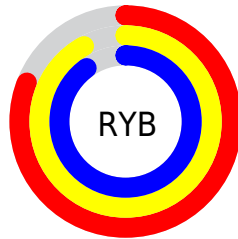
The Yxy color **77.1508, 0.3146, 0.3600** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.7556, 0.3104, 0.2992**, and the grayscale version is **74.5550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1757, 0.3144, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **73.4246, 0.3159, 0.3892**, and if you desaturate by 10%, it is **81.3937, 0.3130, 0.3338**.

# Distribution



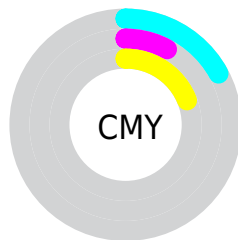
- Red (83%)
- Green (92%)
- Blue (81%)



- Red (81%)
- Yellow (92%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (8%)



- Cyan (17%)
- Magenta (8%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1508, 0.3146, 0.3600 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 77.1508, 0.3146, 0.3600 by changing the saturation by 10% instead.



■ 77.1508, 0.3146,  
0.3600

■ 77.1508, 0.3146,  
0.3600

485.2780, 0.3139,  
0.3455

■ 57.3767, 0.3147,  
0.3633

129.3523, 0.3144,  
0.3549

■ 41.3077, 0.3149,  
0.3675

162.5485, 0.3143,  
0.3530

■ 28.5596, 0.3150,  
0.3728

200.9875, 0.3142,  
0.3513

■ 18.7479, 0.3151,  
0.3798

245.0536, 0.3141,  
0.3498

■ 11.4883, 0.3152,  
0.3894

295.1314, 0.3141,  
0.3486

■ 6.3963, 0.3151,  
0.4035

351.6051, 0.3140,

■ 3.0875, 0.3145,

0.3474

0.4259

414.8592, 0.3139,  
0.3464

■ 1.1776, 0.3210,  
0.4821

■ 0.0433, 0.0000,  
1.0000

■ 77.1508, 0.3146,  
0.3600

■ 77.1508, 0.3146,  
0.3600

■ 73.4246, 0.3159,  
0.3892

■ 81.3937, 0.3130,  
0.3338

■ 70.1856, 0.3169,  
0.4211

■ 86.1618, 0.3114,  
0.3106

■ 67.4166, 0.3173,  
0.4549

■ 87.3331, 0.3137,  
0.3088

■ 65.0953, 0.3171,  
0.4891

■ 63.1977, 0.3159,  
0.5219

■ 61.6975, 0.3139,  
0.5508

■ 60.5651, 0.3111,  
0.5737

■ 59.7667, 0.3077,  
0.5889

■ 59.3336, 0.3050,  
0.5960

# Harmonies

## Analogous

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



77.1508, 0.3339, 0.3641



77.1508, 0.3146, 0.3600



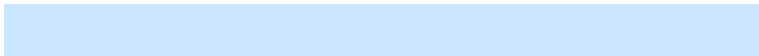
77.1508, 0.2953, 0.3467

# Triad

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



77.1508, 0.3146, 0.3600



77.1508, 0.2786, 0.2994



77.1508, 0.3455, 0.3281

# Complementary

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



77.1508, 0.3146, 0.3600



66.7556, 0.3104, 0.2992

# 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.



77.1508, 0.3298, 0.3121



77.1508, 0.3146, 0.3600



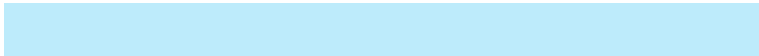
77.1508, 0.2912, 0.2957

# Square

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



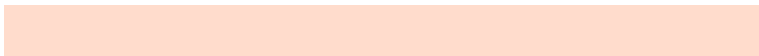
77.1508, 0.3146, 0.3600



77.1508, 0.2749, 0.3112



77.1508, 0.3098, 0.3004



77.1508, 0.3521, 0.3449



# Rectangle

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



77.1508, 0.3146, 0.3600



77.1508, 0.2849, 0.3348



77.1508, 0.3098, 0.3004



77.1508, 0.3410, 0.3225

# Sweetspot

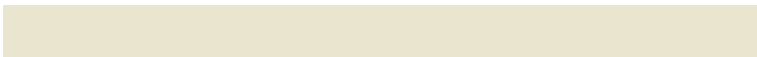
The Sweet Spot groups the original color and five complimentary colors.



77.1541, 0.3146, 0.3600



97.8030, 0.3134, 0.3389



77.9232, 0.3312, 0.3533



20.8479, 0.3135, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

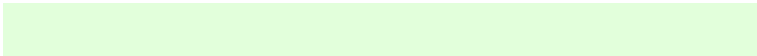


# Same Dimension

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



77.1541, 0.3146, 0.3600



92.7579, 0.3149, 0.3659



76.8764, 0.3058, 0.3502



16.9903, 0.3142, 0.3532



33.3761, 0.3057, 0.5955



2.6578, 0.3140, 0.5889



# Inverse Universe

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



66.7556, 0.3104, 0.2992



78.1204, 0.3100, 0.2938



67.0862, 0.3204, 0.3087



15.1710, 0.3110, 0.3056



9.7269, 0.2765, 0.1297

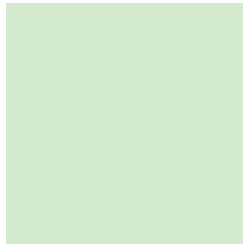


0.7991, 0.2830, 0.1333



# Previews

## White Background



This preview shows how the Yxy color 77.1508, 0.3146, 0.3600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

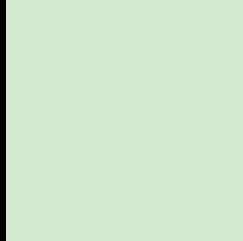
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1508, 0.3146, 0.3600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

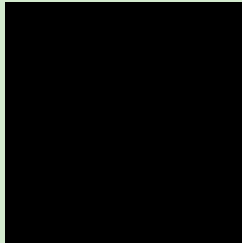
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

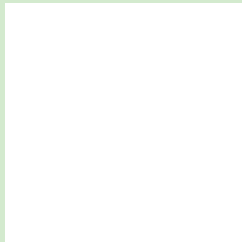
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1508, 0.3146, 0.3600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1508, 0.3146, 0.3600.

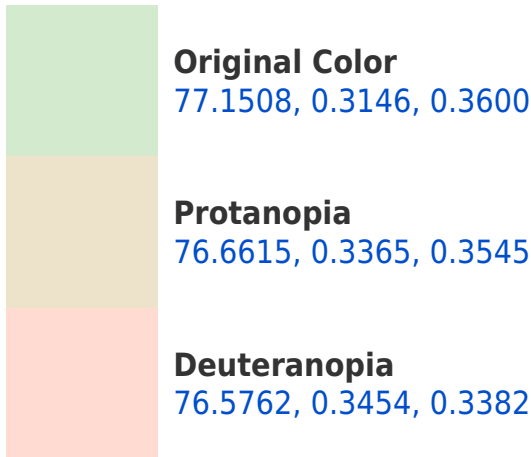


This preview shows how white text looks on a background with the Yxy color 77.1508, 0.3146, 0.3600.

# 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

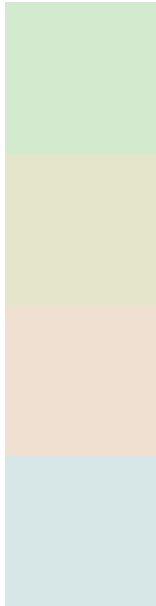




## Tritanopia

76.8923, 0.2942, 0.3100

# Trichromacy



**Original Color**

77.1508, 0.3146, 0.3600

**Protanomaly**

76.8444, 0.3289, 0.3570

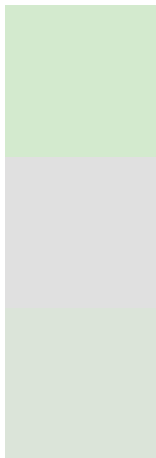
**Deuteranomaly**

76.2655, 0.3335, 0.3448

**Tritanomaly**

76.8102, 0.3020, 0.3279

# Monochromacy



**Original Color**

77.1508, 0.3146, 0.3600

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.5566, 0.3135, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1508, 0.3146, 0.3600 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(211, 234, 206)` looks like.

```
.text, #text, p{  
    color:rgb(211, 234, 206)  
}
```

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(211, 234, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 234, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1508, 0.3146, 0.3600 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(211, 234, 206) }
```

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

```
.border{ border-color:rgb(211, 234, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 234, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 234, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 234, 206);  
box-shadow:4px 4px 4px 4px rgb(211, 234,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1508, 0.3146, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 234, 206) }
```

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

```
.background{ background-color: rgb(211,  
234, 206) }
```

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