

Converting Colors

$Yxy(76.6034, 0.3202, 0.4391)$

Have a look what the booklet for
Yxy(76.6034, 0.3202, 0.4391)
contains.

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Color

Yxy(76.6034, 0.3202, 0.4391)

Conversions

Conversions Part 1

Format	Color
Hex	AEF599
RGB	174, 245, 153
RGB Percent	68%, 96%, 60%
CMY	0.3176, 0.0392, 0.3999
CMYK	0.29, 0.00, 0.38, 0.04
HSL	106°, 82%, 78%
HSV	106°, 38%, 96%
XYZ	55.8606, 76.6034, 41.9914
YIQ	213.2830, -12.7840, -43.6640

Conversions

Conversions Part 2

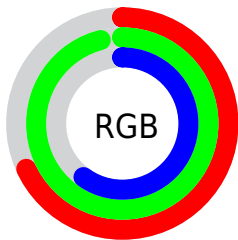
Format	Color
RYB	153, 245, 224
Decimal	11466137
CIELab	90.14, -38.68, 37.42
CIELCh	90, 53.815, 135.946
Yxy	76.6034, 0.3202, 0.4391
Android (android.graphics.Color)	4289656217 (0xFFFAEF599)
YUV	213.2830, -29.7195, -34.4512
Hunter-Lab	87.5234, -39.2406, 32.8206

Details

The Yxy color **76.6034, 0.3202, 0.4391** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.2374, 0.2993, 0.2309**, and the grayscale version is **66.9523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0630, 0.3248, 0.3774**, and **40.8280, 0.3194, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **73.8567, 0.3209, 0.4728**, and if you desaturate by 10%, it is **79.8287, 0.3188, 0.4064**.

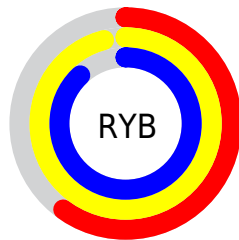
Distribution



Red (68%)

Green (96%)

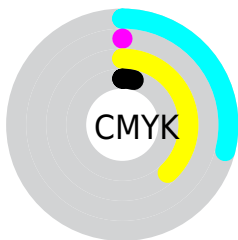
Blue (60%)



Red (60%)

Yellow (96%)

Blue (88%)

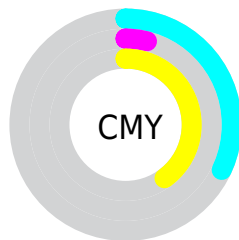


Cyan (29%)

Magenta (0%)

Yellow (38%)

Black (4%)



Cyan (32%)


Magenta (4%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6034, 0.3202, 0.4391 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 76.6034, 0.3202, 0.4391 by changing the saturation by 10% instead.

 76.6034, 0.3202,
0.4391

 76.6034, 0.3202,
0.4391

483.4107, 0.3187,
0.3858

 56.9274, 0.3200,
0.4517


 128.5795, 0.3201,
0.4202

 40.9470, 0.3194,
0.4675

 161.6484, 0.3199,
0.4130

 28.2777, 0.3182,
0.4877


199.9504, 0.3197,
0.4068

 18.5351, 0.3157,
0.5144

243.8699, 0.3195,
0.4015

 11.3348, 0.3106,
0.5510

293.7913, 0.3193,
0.3968

 6.2925, 0.2995,
0.6029


350.0990, 0.3191,


 3.0237, 0.2876,

0.3927


0.7124

413.1773, 0.3189,
0.3891


 1.1441, 0.0968,
0.9032


 0.0154, 0.0000,
1.0000


 76.6034, 0.3202,
0.4391


 76.6034, 0.3202,
0.4391


 73.8567, 0.3209,
0.4728


 79.8287, 0.3188,
0.4064


 71.5558, 0.3206,
0.5060

 83.5442, 0.3168,
0.3759

 69.6791, 0.3191,
0.5364

 87.7731, 0.3145,
0.3480

 68.1989, 0.3165,
0.5619

 92.5342, 0.3121,
0.3231

■ 67.0841, 0.3129,
0.5806

■ 93.7863, 0.3132,
0.3194

■ 66.2968, 0.3087,
0.5918

■ 66.1434, 0.3077,
0.5938

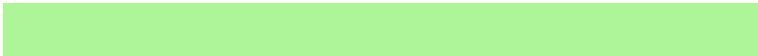
Harmonies

Analogous

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



76.6034, 0.3806, 0.4419



76.6034, 0.3202, 0.4391



76.6034, 0.2609, 0.3948

Triad

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



76.6034, 0.3202, 0.4391



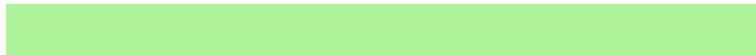
76.6034, 0.2083, 0.2391



76.6034, 0.4153, 0.3168

Complementary

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



76.6034, 0.3202, 0.4391



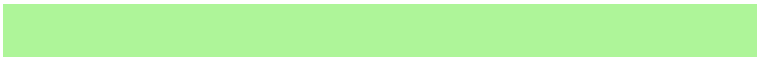
45.2374, 0.2993, 0.2309

Split Complementary

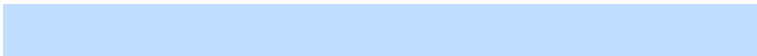
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6034, 0.3598, 0.2737



76.6034, 0.3202, 0.4391



76.6034, 0.2407, 0.2302

Square

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



76.6034, 0.3202, 0.4391



76.6034, 0.2004, 0.2724



76.6034, 0.2946, 0.2430



76.6034, 0.4396, 0.3653

Rectangle

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



76.6034, 0.3202, 0.4391



76.6034, 0.2299, 0.3514



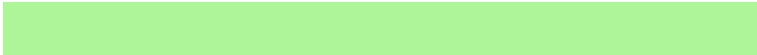
76.6034, 0.2946, 0.2430



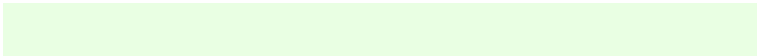
76.6034, 0.3994, 0.3015

Sweetspot

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



76.6067, 0.3202, 0.4391



94.4454, 0.3154, 0.3574



74.7797, 0.3768, 0.4029



20.0791, 0.3157, 0.3611



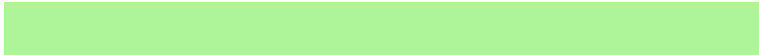
0.0000, 0.0000, 0.0000



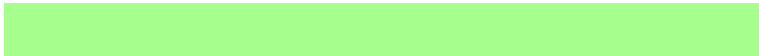
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6067, 0.3202, 0.4391



81.5733, 0.3208, 0.4646



75.2783, 0.2945, 0.4121



18.6543, 0.3150, 0.3532



35.6829, 0.3086, 0.5932



3.1805, 0.3168, 0.5866

Inverse Universe

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



45.2374, 0.2993, 0.2309



42.6794, 0.2955, 0.2112



47.3984, 0.3383, 0.2585



16.5666, 0.3101, 0.3054



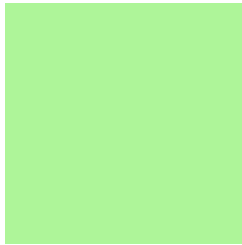
9.4536, 0.2637, 0.1227



0.8763, 0.2712, 0.1268

Previews

White Background



This preview shows how the Yxy color 76.6034, 0.3202, 0.4391 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 76.6034, 0.3202, 0.4391 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 76.6034, 0.3202, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 76.6034, 0.3202, 0.4391.

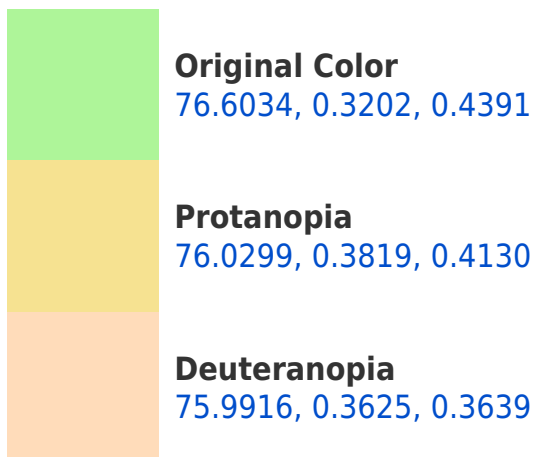


This preview shows how white text looks on a background with the Yxy color 76.6034, 0.3202, 0.4391.

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

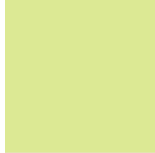
76.3825, 0.2752, 0.3082

Trichromacy



Original Color

76.6034, 0.3202, 0.4391



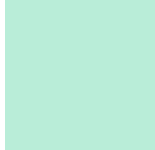
Protanomaly

75.6316, 0.3578, 0.4228



Deuteranomaly

75.2634, 0.3467, 0.3893



Tritanomaly

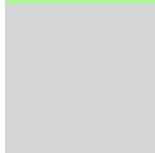
75.8405, 0.2918, 0.3530

Monochromacy



Original Color

76.6034, 0.3202, 0.4391



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.7541, 0.3164, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6034, 0.3202, 0.4391 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(174, 245, 153)` looks like.

```
.text, #text, p{  
    color:rgb(174, 245, 153)  
}
```

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(174, 245, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 245, 153) }
```

Border

The CSS property to change the border of an element to Yxy 76.6034, 0.3202, 0.4391 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(174, 245, 153) }
```

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

```
.border{ border-color:rgb(174, 245, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 245, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 245, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 245, 153); box-shadow:4px 4px 4px 4px rgb(174, 245, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6034, 0.3202, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 245, 153) }
```

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

```
.background{ background-color: rgb(174,  
245, 153) }
```

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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