

# Converting Colors

$Yxy(78.4391, 0.3239, 0.3684)$

Have a look what the booklet for  
Yxy(78.4391, 0.3239, 0.3684)  
contains.

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# Color

**Yxy(78.4456, 0.3237, 0.3684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAEBC7
RGB	218, 235, 199
RGB Percent	85%, 92%, 78%
CMY	0.1452, 0.0784, 0.2195
CMYK	0.07, 0.00, 0.15, 0.08
HSL	88°, 47%, 85%
HSV	88°, 15%, 92%
XYZ	68.9274, 78.4456, 65.5630
YIQ	225.8130, 1.4240, -14.8000

# Conversions

## Conversions Part 2

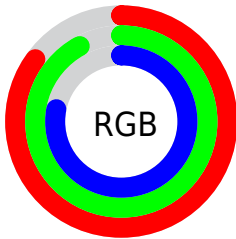
Format	Color
R <sub>YB</sub>	199, 235, 216
Decimal	14347207
CIE <sub>Lab</sub>	90.98, -11.92, 15.57
CIE <sub>LCh</sub>	91, 19.605, 127.438
Y <sub>xy</sub>	78.4456, 0.3237, 0.3684
Android (android.graphics.Color)	4292537287 (0xFFDAEBC7)
YUV	225.8130, -13.2188, -6.8520
Hunter-Lab	88.5695, -16.0828, 18.1097

# Details

The Yxy color **78.4456, 0.3237, 0.3684** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.4732, 0.3003, 0.2895**, and the grayscale version is **76.0082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0711, 0.3262, 0.3777** is the 20% darker color. If you saturate the color by 10%, you get **75.7814, 0.3307, 0.3965**, and if you desaturate by 10%, it is **81.4005, 0.3165, 0.3421**.

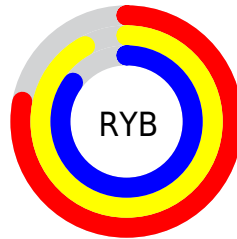
# Distribution



Red (85%)

Green (92%)

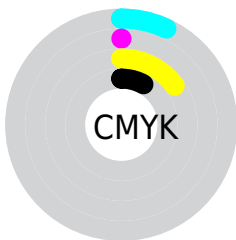
Blue (78%)



Red (78%)

Yellow (92%)

Blue (85%)

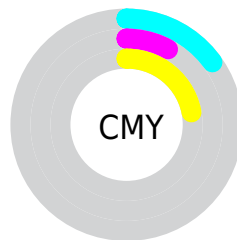


Cyan (7%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (15%)

Magenta (8%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4456, 0.3237, 0.3684 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 78.4456, 0.3237, 0.3684 by changing the saturation by 10% instead.



 78.4456, 0.3237,  
0.3684

 78.4456, 0.3237,  
0.3684


489.6788, 0.3189,  
0.3500

 58.4401, 0.3247,  
0.3726


131.1781, 0.3221,  
0.3620

 42.1626, 0.3260,  
0.3779


164.6739, 0.3214,  
0.3595

 29.2286, 0.3275,  
0.3845


203.4352, 0.3209,  
0.3574

 19.2538, 0.3294,  
0.3933

247.8465, 0.3204,  
0.3555

 11.8538, 0.3318,  
0.4052

298.2921, 0.3199,  
0.3539

 6.6442, 0.3348,  
0.4226


355.1564, 0.3195,


 3.2406, 0.3386,


0.3525


0.4498


418.8238, 0.3192,  
0.3512

 1.2586, 0.3666,  
0.5335

 0.1088, 0.0000,  
1.0000


 78.4456, 0.3237,  
0.3684


 78.4456, 0.3237,  
0.3684


 75.7814, 0.3307,  
0.3965


 81.4005, 0.3165,  
0.3421

 73.3876, 0.3371,  
0.4260

 84.6452, 0.3094,  
0.3179

 71.2572, 0.3425,  
0.4558

 87.2199, 0.3112,  
0.3096

 69.3785, 0.3465,  
0.4847

 87.9027, 0.3136,  
0.3097

■ 67.7392, 0.3487,  
0.5114

■ 66.3254, 0.3486,  
0.5343

■ 65.1213, 0.3463,  
0.5522

■ 64.1079, 0.3418,  
0.5645

■ 63.6853, 0.3392,  
0.5688

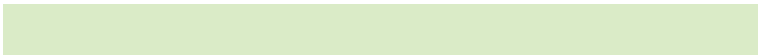
# Harmonies

## Analogous

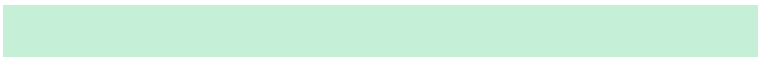
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4456, 0.3444, 0.3684



78.4456, 0.3237, 0.3684



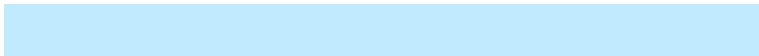
78.4456, 0.3006, 0.3567

# Triad

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



78.4456, 0.3237, 0.3684



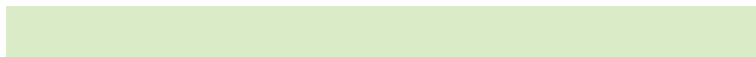
78.4456, 0.2703, 0.2988



78.4456, 0.3448, 0.3205

# Complementary

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



78.4456, 0.3237, 0.3684



61.4732, 0.3003, 0.2895

# 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.



78.4456, 0.3238, 0.3035



78.4456, 0.3237, 0.3684



78.4456, 0.2811, 0.2910

# Square

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



78.4456, 0.3237, 0.3684



78.4456, 0.2704, 0.3153



78.4456, 0.3005, 0.2929

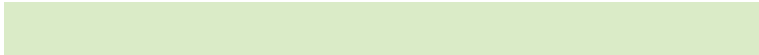


78.4456, 0.3570, 0.3400



# Rectangle

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



78.4456, 0.3237, 0.3684



78.4456, 0.2870, 0.3439



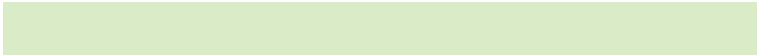
78.4456, 0.3005, 0.2929



78.4456, 0.3385, 0.3143

# Sweetspot

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



78.4490, 0.3237, 0.3684



98.0784, 0.3163, 0.3414



70.8112, 0.3387, 0.3471



20.9365, 0.3168, 0.3432



0.0000, 0.0000, 0.0000

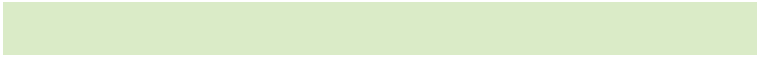


21.4041, 0.3127, 0.3290

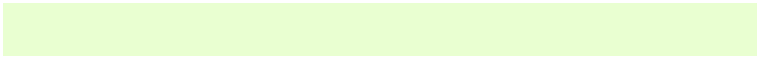


# Same Dimension

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



78.4490, 0.3237, 0.3684



93.4958, 0.3257, 0.3760



75.8598, 0.3116, 0.3699



17.2523, 0.3195, 0.3528



35.5169, 0.3404, 0.5680



2.8461, 0.3506, 0.5598



# Inverse Universe

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



61.4732, 0.3003, 0.2895



69.8324, 0.2977, 0.2818



64.3232, 0.3136, 0.2911



14.8988, 0.3054, 0.3052



5.3050, 0.1974, 0.0861

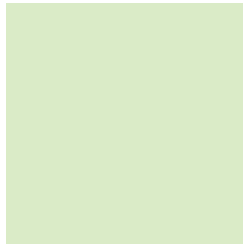


0.4735, 0.2127, 0.0945



# Previews

## White Background



This preview shows how the Yxy color 78.4456, 0.3237, 0.3684 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 78.4456, 0.3237, 0.3684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

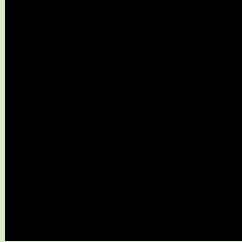
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

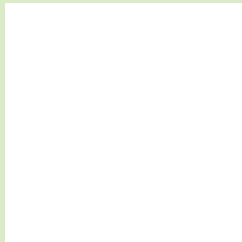
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.4456, 0.3237, 0.3684**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4456, 0.3237, 0.3684.

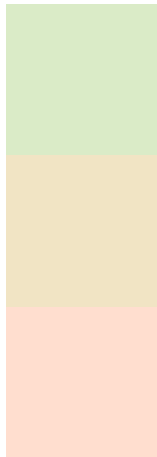


This preview shows how white text looks on a background with the Yxy color 78.4456, 0.3237, 0.3684.

# 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

78.4456, 0.3237, 0.3684

### Protanopia

78.1731, 0.3432, 0.3626

### Deuteranopia

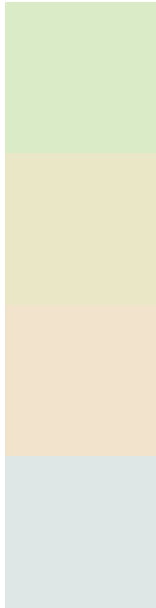
78.0075, 0.3470, 0.3443



## Tritanopia

78.1482, 0.2995, 0.3103

# Trichromacy



**Original Color**

78.4456, 0.3237, 0.3684

**Protanomaly**

78.5067, 0.3362, 0.3653

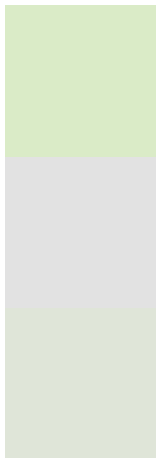
**Deuteranomaly**

78.1750, 0.3387, 0.3531

**Tritanomaly**

78.3386, 0.3079, 0.3311

# Monochromacy



**Original Color**

78.4456, 0.3237, 0.3684

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

76.6845, 0.3169, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4456, 0.3237, 0.3684 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(218, 235, 199)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 199)  
}
```

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(218, 235, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4456, 0.3237, 0.3684 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(218, 235, 199) }
```

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

```
.border{ border-color:rgb(218, 235, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 235, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 235, 199); box-shadow:4px 4px 4px 4px rgb(218, 235, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4456, 0.3237, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 199) }
```

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

```
.background{ background-color: rgb(218,  
235, 199) }
```

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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