

# Converting Colors

$Yxy(73.2002, 0.3227, 0.4006)$

Have a look what the booklet for  
Yxy(73.2002, 0.3227, 0.4006)  
contains.

<b>Yxy(73.2002, 0.3227, 0.4006)</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(73.2002, 0.3227, 0.4006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1EAAD
RGB	193, 234, 173
RGB Percent	76%, 92%, 68%
CMY	0.2430, 0.0824, 0.3215
CMYK	0.18, 0.00, 0.26, 0.08
HSL	100°, 59%, 80%
HSV	100°, 26%, 92%
XYZ	58.9658, 73.2002, 50.5604
YIQ	214.7870, -4.8550, -27.6630

# Conversions

## Conversions Part 2

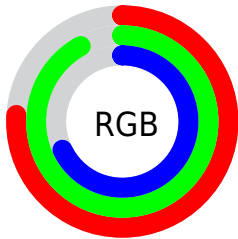
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 234, 214
Decimal	12708525
CIELab	88.54, -24.18, 25.37
CIELCh	89, 35.047, 133.619
Yxy	73.2002, 0.3227, 0.4006
Android (android.graphics.Color)	4290898605 (0xFFC1EAAD)
YUV	214.7870, -20.6010, -19.1072
Hunter-Lab	85.5571, -26.7031, 24.8523

# Details

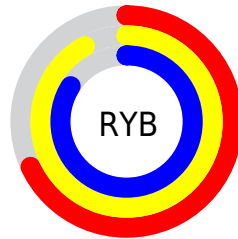
The Yxy color **73.2002, 0.3227, 0.4006** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.1224, 0.2994, 0.2609**, and the grayscale version is **67.9545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5011, 0.3247, 0.3545**, and **38.6858, 0.3246, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **70.4180, 0.3258, 0.4320**, and if you desaturate by 10%, it is **76.3669, 0.3191, 0.3711**.

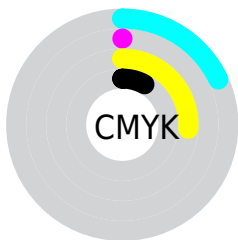
# Distribution



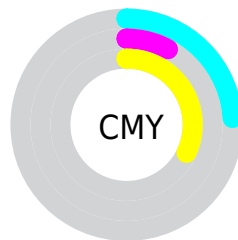
- Red (76%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (84%)



- Cyan (18%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)



- Cyan (24%)
- Magenta (8%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2002, 0.3227, 0.4006 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 73.2002, 0.3227, 0.4006 by changing the saturation by 10% instead.





 73.2002, 0.3227,  
0.4006

 73.2002, 0.3227,  
0.4006

471.7084, 0.3188,  
0.3662

 54.1397, 0.3234,  
0.4087

 123.7614, 0.3215,  
0.3884

 38.7133, 0.3241,  
0.4189


156.0308, 0.3210,  
0.3838

 26.5368, 0.3247,  
0.4320


193.4720, 0.3206,  
0.3798

 17.2257, 0.3253,  
0.4495

236.4694, 0.3202,  
0.3763

 10.3955, 0.3252,  
0.4739

285.4073, 0.3198,  
0.3733

 5.6620, 0.3236,  
0.5098

340.6702, 0.3194,

 2.6406, 0.3223,

0.3707

0.5769

402.6424, 0.3191,  
0.3683

0.9471, 0.2458,  
0.7542

0.0000, 0.0000,  
0.0000

73.2002, 0.3227,  
0.4006

73.2002, 0.3227,  
0.4006

70.4180, 0.3258,  
0.4320

76.3669, 0.3191,  
0.3711

67.9956, 0.3280,  
0.4644

79.9227, 0.3152,  
0.3441

65.9201, 0.3290,  
0.4963

83.8842, 0.3111,  
0.3197

64.1739, 0.3285,  
0.5260

87.3232, 0.3137,  
0.3088

■ 62.7376, 0.3264,  
0.5514

■ 61.5896, 0.3227,  
0.5710

■ 60.7041, 0.3178,  
0.5838

■ 60.4148, 0.3158,  
0.5875

# Harmonies

## Analogous

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



73.2002, 0.3626, 0.4032



73.2002, 0.3227, 0.4006



73.2002, 0.2818, 0.3742

# Triad

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



73.2002, 0.3227, 0.4006



73.2002, 0.2398, 0.2697



73.2002, 0.3780, 0.3196

# Complementary

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



73.2002, 0.3227, 0.4006



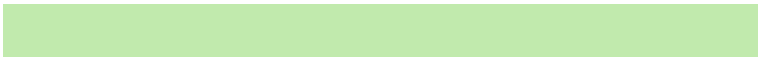
50.1224, 0.2994, 0.2609

# 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.



73.2002, 0.3411, 0.2892



73.2002, 0.3227, 0.4006



73.2002, 0.2618, 0.2608

# Square

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



73.2002, 0.3227, 0.4006



73.2002, 0.2358, 0.2952



73.2002, 0.2982, 0.2682



73.2002, 0.3963, 0.3537



# Rectangle

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



73.2002, 0.3227, 0.4006



73.2002, 0.2594, 0.3478



73.2002, 0.2982, 0.2682



73.2002, 0.3673, 0.3088

# Sweetspot

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



73.2034, 0.3227, 0.4006



96.2486, 0.3159, 0.3492



68.4341, 0.3572, 0.3736



20.4578, 0.3165, 0.3532



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

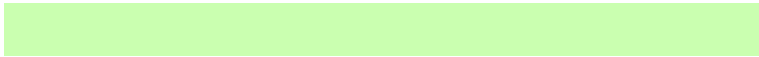


# Same Dimension

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



73.2034, 0.3227, 0.4006



87.1969, 0.3243, 0.4164



71.1548, 0.3033, 0.3908



17.1024, 0.3165, 0.3530



34.0120, 0.3168, 0.5867



2.7213, 0.3273, 0.5783



# Inverse Universe

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



50.1224, 0.2994, 0.2609



54.9154, 0.2961, 0.2468



52.7554, 0.3239, 0.2742



15.0516, 0.3085, 0.3054



7.4459, 0.2396, 0.1094



0.6365, 0.2511, 0.1157



# Previews

## White Background



This preview shows how the Yxy color 73.2002, 0.3227, 0.4006 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 73.2002, 0.3227, 0.4006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

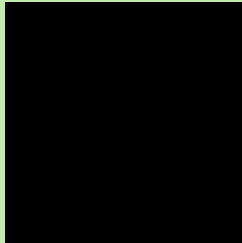
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

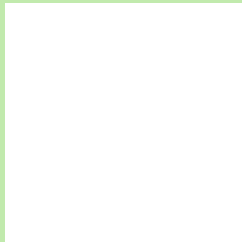
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2002, 0.3227, 0.4006**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2002, 0.3227, 0.4006.

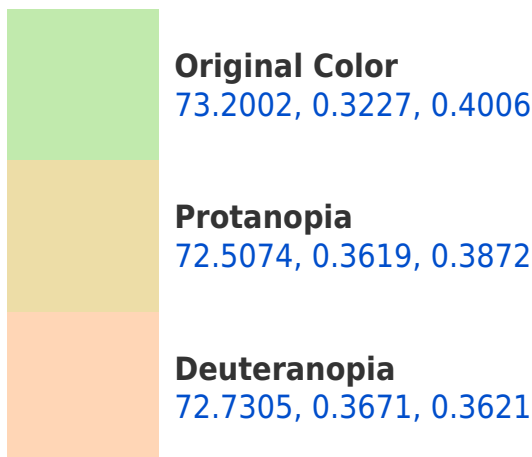


This preview shows how white text looks on a background with the Yxy color 73.2002, 0.3227, 0.4006.

# 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

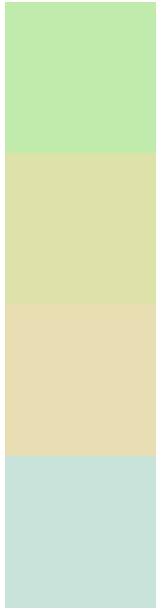




## Tritanopia

73.1589, 0.2876, 0.3093

# Trichromacy



**Original Color**

73.2002, 0.3227, 0.4006

**Protanomaly**

72.6294, 0.3469, 0.3926

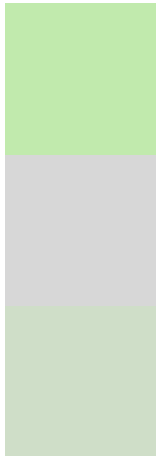
**Deuteranomaly**

72.1234, 0.3496, 0.3748

**Tritanomaly**

72.8281, 0.3000, 0.3402

# Monochromacy



**Original Color**

73.2002, 0.3227, 0.4006

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

69.6781, 0.3165, 0.3541

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2002, 0.3227, 0.4006 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(193, 234, 173)` looks like.

```
.text, #text, p{  
    color:rgb(193, 234, 173)  
}
```

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(193, 234, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 234, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2002, 0.3227, 0.4006 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(193, 234, 173) }
```

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

```
.border{ border-color:rgb(193, 234, 173) }
```

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

Here you see how a box with a 4 pixel rgb(193, 234, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 234, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 234, 173);  
box-shadow:4px 4px 4px 4px rgb(193, 234,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2002, 0.3227, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 234, 173) }
```

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

```
.background{ background-color: rgb(193,  
234, 173) }
```

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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