

# Converting Colors

$Yxy(79.8741, 0.3454, 0.4091)$

Have a look what the booklet for  
Yxy(79.8741, 0.3454, 0.4091)  
contains.

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# Color

**Yxy(79.7018, 0.3452, 0.4090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCEFA6
RGB	220, 239, 166
RGB Percent	86%, 94%, 65%
CMY	0.1371, 0.0627, 0.3491
CMYK	0.08, 0.00, 0.31, 0.06
HSL	76°, 70%, 79%
HSV	76°, 31%, 94%
XYZ	67.2691, 79.7018, 47.8990
YIQ	224.9970, 12.1090, -26.7310

# Conversions

## Conversions Part 2

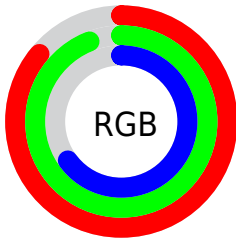
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 239, 185
Decimal	14479270
CIELab	91.55, -18.00, 33.32
CIELCh	92, 37.874, 118.373
Yxy	79.7018, 0.3452, 0.4090
Android (android.graphics.Color)	4292669350 (0xFFDCEFA6)
YUV	224.9970, -29.0855, -4.3824
Hunter-Lab	89.2759, -21.7335, 30.6823

# Details

The Yxy color **79.7018, 0.3452, 0.4090** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.7998, 0.2726, 0.2426**, and the grayscale version is **75.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **42.9517, 0.3514, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **77.9575, 0.3549, 0.4362**, and if you desaturate by 10%, it is **81.6522, 0.3347, 0.3818**.

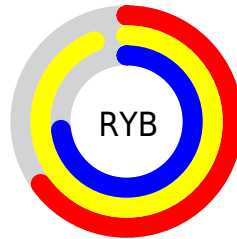
# Distribution



Red (86%)

Green (94%)

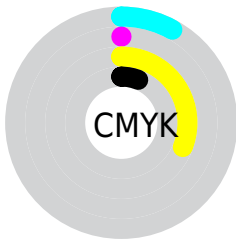
Blue (65%)



Red (65%)

Yellow (94%)

Blue (73%)

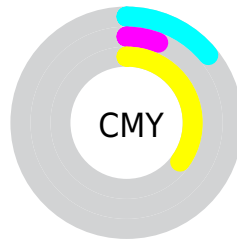


Cyan (8%)

Magenta (0%)

Yellow (31%)

Black (6%)



Cyan (14%)

Magenta (6%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7018, 0.3452, 0.4090 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 79.7018, 0.3452, 0.4090 by changing the saturation by 10% instead.





 79.7018, 0.3452,  
0.4090


 79.7018, 0.3452,  
0.4090

493.9273, 0.3313,  
0.3716

 59.4730, 0.3481,  
0.4175

 132.9464, 0.3406,  
0.3960

 42.9940, 0.3514,  
0.4281


 166.7310, 0.3388,  
0.3910

 29.8804, 0.3553,  
0.4413


205.8029, 0.3371,  
0.3866

 19.7478, 0.3599,  
0.4585

250.5467, 0.3357,  
0.3828

 12.2119, 0.3650,  
0.4814

301.3466, 0.3344,  
0.3795

 6.8881, 0.3701,  
0.5131

358.5871, 0.3333,

 3.3922, 0.3821,

0.3766

0.5726

422.6525, 0.3322,  
0.3740

1.3398, 0.3668,  
0.6332

0.1717, 0.0000,  
1.0000

79.7018, 0.3452,  
0.4090

79.7018, 0.3452,  
0.4090

77.9575, 0.3549,  
0.4362

81.6522, 0.3347,  
0.3818

76.3991, 0.3635,  
0.4624


83.8067, 0.3240,  
0.3554

75.0199, 0.3702,  
0.4864


86.1770, 0.3133,  
0.3303


73.8085, 0.3747,  
0.5070


88.3404, 0.3069,  
0.3133

 72.7517, 0.3766,  
0.5233

 89.4749, 0.3109,  
0.3135

 71.8339, 0.3759,  
0.5348

 90.2128, 0.3134,  
0.3136

 71.0709, 0.3734,  
0.5417

# Harmonies

## Analogous

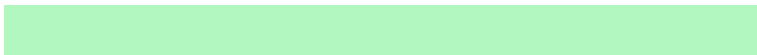
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7018, 0.3819, 0.3991



79.7018, 0.3452, 0.4090



79.7018, 0.3013, 0.3936

# Triad

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



79.7018, 0.3452, 0.4090



79.7018, 0.2318, 0.2782



79.7018, 0.3633, 0.3020

# Complementary

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



79.7018, 0.3452, 0.4090



43.7998, 0.2726, 0.2426

# 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.



79.7018, 0.3195, 0.2747



79.7018, 0.3452, 0.4090



79.7018, 0.2455, 0.2601

# Square

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



79.7018, 0.3452, 0.4090



79.7018, 0.2376, 0.3127



79.7018, 0.2765, 0.2595



79.7018, 0.3938, 0.3365

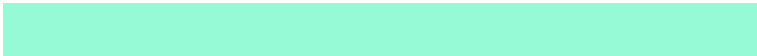


# Rectangle

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



79.7018, 0.3452, 0.4090



79.7018, 0.2741, 0.3704



79.7018, 0.2765, 0.2595



79.7018, 0.3495, 0.2919

# Sweetspot

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



79.7053, 0.3452, 0.4090



97.4960, 0.3223, 0.3515



55.4780, 0.3758, 0.3494



20.7857, 0.3239, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

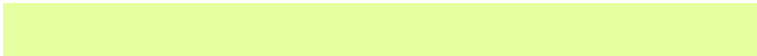


# Same Dimension

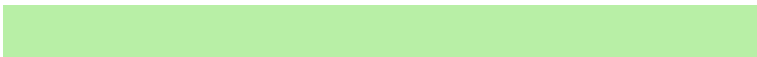
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7053, 0.3452, 0.4090



90.9857, 0.3517, 0.4269



74.7032, 0.3203, 0.4157



18.2404, 0.3228, 0.3526



39.3420, 0.3741, 0.5412



3.3204, 0.3803, 0.5362



# Inverse Universe

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



43.7998, 0.2726, 0.2426



42.9213, 0.2619, 0.2213



48.8249, 0.3011, 0.2494



15.4272, 0.3020, 0.3049



4.0647, 0.1656, 0.0686

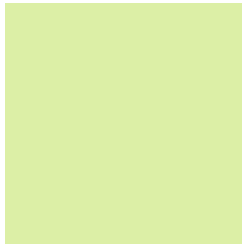


0.3845, 0.1787, 0.0758



# Previews

## White Background



This preview shows how the Yxy color 79.7018, 0.3452, 0.4090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

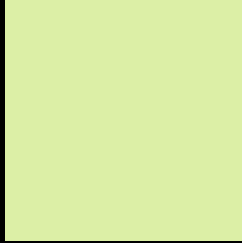
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7018, 0.3452, 0.4090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

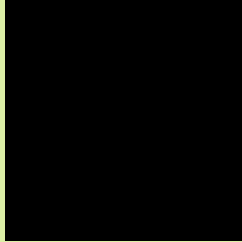
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.7018, 0.3452, 0.4090**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.7018, 0.3452, 0.4090.

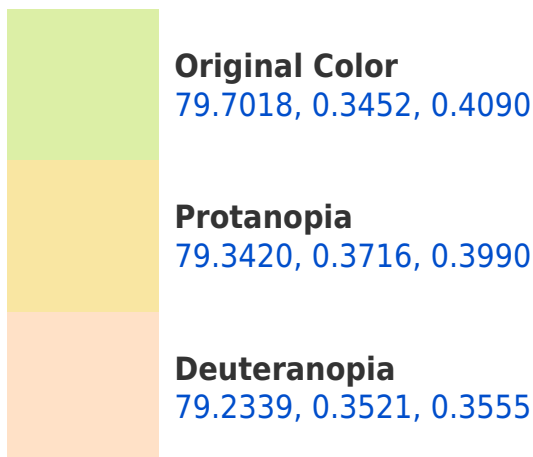


This preview shows how white text looks on a background with the Yxy color 79.7018, 0.3452, 0.4090.

# 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

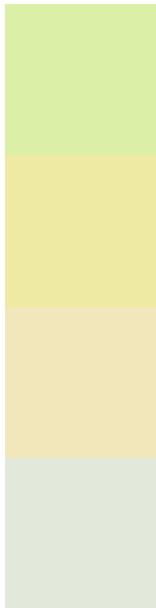




## Tritanopia

79.7429, 0.3028, 0.3105

# Trichromacy



**Original Color**

79.7018, 0.3452, 0.4090

**Protanomaly**

79.0993, 0.3618, 0.4030

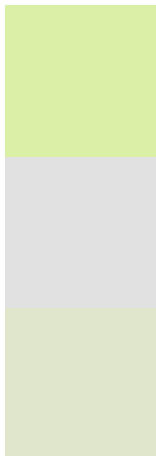
**Deuteranomaly**

79.0587, 0.3496, 0.3741

**Tritanomaly**

79.6707, 0.3181, 0.3449

# Monochromacy



**Original Color**

79.7018, 0.3452, 0.4090

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

76.6412, 0.3246, 0.3573

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7018, 0.3452, 0.4090 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(220, 239, 166)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 166)  
}
```

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(220, 239, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7018, 0.3452, 0.4090 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(220, 239, 166) }
```

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

```
.border{ border-color:rgb(220, 239, 166) }
```

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

Here you see how a box with a 4 pixel rgb(220, 239, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 166);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7018, 0.3452, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 166) }
```

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

```
.background{ background-color: rgb(220,  
239, 166) }
```

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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