

# Converting Colors

Yxy(71.9929, 0.3497, 0.3984)

Have a look what the booklet for  
Yxy(71.9929, 0.3497, 0.3984)  
contains.

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# Color

**Yxy(72.2887, 0.3495, 0.3984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCE2A4
RGB	220, 226, 164
RGB Percent	86%, 89%, 64%
CMY	0.1372, 0.1137, 0.3568
CMYK	0.03, 0.00, 0.27, 0.11
HSL	66°, 52%, 76%
HSV	66°, 27%, 89%
XYZ	63.4159, 72.2887, 45.7429
YIQ	217.1380, 16.3260, -20.5540

# Conversions

## Conversions Part 2

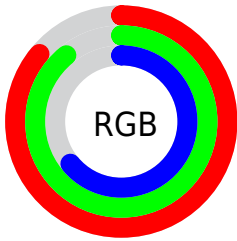
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 226, 170
Decimal	14475940
CIELab	88.11, -11.83, 29.70
CIELCh	88, 31.974, 111.716
Yxy	72.2887, 0.3495, 0.3984
Android (android.graphics.Color)	4292666020 (0xFFDCE2A4)
YUV	217.1380, -26.1970, 2.5100
Hunter-Lab	85.0228, -15.6521, 27.6174

# Details

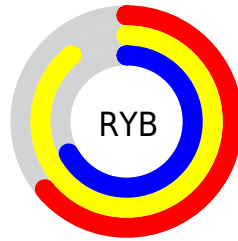
The Yxy color **72.2887, 0.3495, 0.3984** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.5984, 0.2696, 0.2511**, and the grayscale version is **69.6660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **38.1882, 0.3567, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **71.2077, 0.3625, 0.4238**, and if you desaturate by 10%, it is **73.5257, 0.3360, 0.3726**.

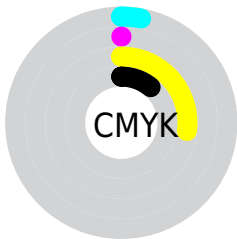
# Distribution



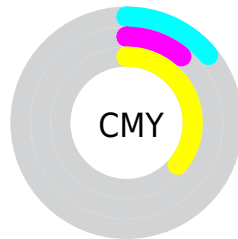
- Red (86%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)




- Cyan (14%)
- Magenta (11%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2887, 0.3495, 0.3984 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 72.2887, 0.3495, 0.3984 by changing the saturation by 10% instead.




 72.2887, 0.3495,  
0.3984


 72.2887, 0.3495,  
0.3984


468.5458, 0.3330,  
0.3657

 53.3945, 0.3531,  
0.4060


 122.4669, 0.3439,  
0.3870

 38.1178, 0.3573,  
0.4153

 154.5197, 0.3417,  
0.3825

 26.0742, 0.3625,  
0.4272

191.7276, 0.3398,  
0.3787

 16.8791, 0.3689,  
0.4426

234.4748, 0.3381,  
0.3754

 10.1483, 0.3768,  
0.4634

283.1459, 0.3366,  
0.3725

 5.4974, 0.3861,  
0.4926

338.1251, 0.3353,

 2.5420, 0.4150,

0.3700

0.5616

399.7970, 0.3341,  
0.3677

0.8976, 0.3860,  
0.6140

0.0000, 0.0000,  
0.0000

72.2887, 0.3495,  
0.3984

72.2887, 0.3495,  
0.3984

71.2077, 0.3625,  
0.4238

73.5257, 0.3360,  
0.3726

70.2653, 0.3744,  
0.4480

74.9162, 0.3225,  
0.3472

69.4563, 0.3847,  
0.4697

76.4701, 0.3094,  
0.3228

68.7715, 0.3929,  
0.4881

78.1936, 0.2968,  
0.2999

68.2003, 0.3986,  
0.5024

78.5918, 0.2979,  
0.2995

67.7302, 0.4016,  
0.5122

78.9576, 0.2994,  
0.2996

67.3447, 0.4023,  
0.5177

79.3279, 0.3008,  
0.2997

67.2522, 0.4022,  
0.5188

79.7028, 0.3022,  
0.2999

80.0823, 0.3037,  
0.3000

# Harmonies

## Analogous

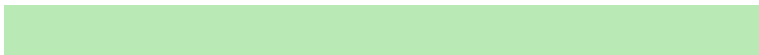
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2887, 0.3786, 0.3863



72.2887, 0.3495, 0.3984



72.2887, 0.3116, 0.3897

# Triad

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



72.2887, 0.3495, 0.3984



72.2887, 0.2411, 0.2905



72.2887, 0.3490, 0.2993

# Complementary

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



72.2887, 0.3495, 0.3984



40.5984, 0.2696, 0.2511

# Split Complementary

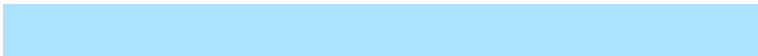
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2887, 0.3100, 0.2770



72.2887, 0.3495, 0.3984



72.2887, 0.2495, 0.2707

# Square

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



72.2887, 0.3495, 0.3984



72.2887, 0.2503, 0.3234



72.2887, 0.2739, 0.2666



72.2887, 0.3790, 0.3290



# Rectangle

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



72.2887, 0.3495, 0.3984



72.2887, 0.2867, 0.3722



72.2887, 0.2739, 0.2666



72.2887, 0.3364, 0.2908

# Sweetspot

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



72.2919, 0.3495, 0.3984



98.3829, 0.3234, 0.3488



47.2964, 0.3706, 0.3352



20.9962, 0.3254, 0.3526



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.



72.2919, 0.3495, 0.3984



94.2039, 0.3571, 0.4133



68.0024, 0.3271, 0.4037



15.9587, 0.3252, 0.3523



38.3956, 0.4025, 0.5186



2.6812, 0.4053, 0.5164



# Inverse Universe

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



40.5984, 0.2696, 0.2511



45.8713, 0.2587, 0.2319



44.3543, 0.2940, 0.2563



13.3064, 0.2995, 0.3049



3.2519, 0.1534, 0.0619

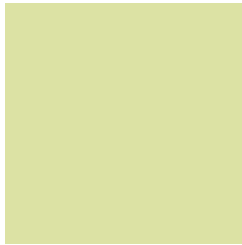


0.2474, 0.1621, 0.0667



# Previews

## White Background



This preview shows how the Yxy color 72.2887, 0.3495, 0.3984 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 72.2887, 0.3495, 0.3984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

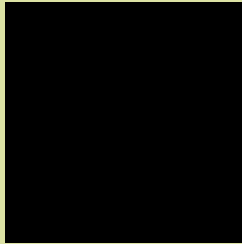
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

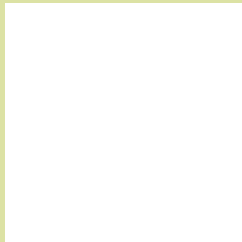
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2887, 0.3495, 0.3984**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2887, 0.3495, 0.3984.



This preview shows how white text looks on a background with the Yxy color 72.2887, 0.3495, 0.3984.

# 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

72.2887, 0.3495, 0.3984

### Protanopia

72.3261, 0.3653, 0.3926

### Deuteranopia

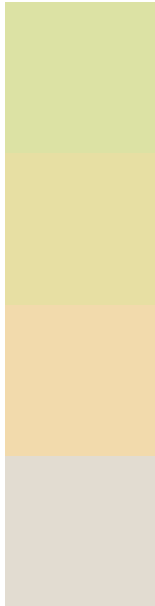
71.9831, 0.3718, 0.3673



## Tritanopia

72.2242, 0.3100, 0.3111

# Trichromacy



## Original Color

72.2887, 0.3495, 0.3984

## Protanomaly

72.4086, 0.3594, 0.3946

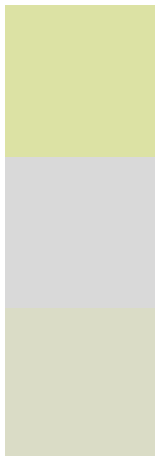
## Deuteranomaly

71.9986, 0.3631, 0.3781

## Tritanomaly

71.9586, 0.3244, 0.3410

# Monochromacy



## Original Color

72.2887, 0.3495, 0.3984

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.1690, 0.3261, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2887, 0.3495, 0.3984 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, 226, 164)` looks like.

```
.text, #text, p{  
    color:rgb(220, 226, 164)  
}
```

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, 226, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 226, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2887, 0.3495, 0.3984 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, 226, 164) }
```

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

```
.border{ border-color:rgb(220, 226, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 226, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 226, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 226, 164);  
box-shadow:4px 4px 4px 4px rgb(220, 226,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2887, 0.3495, 0.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 226, 164) }
```

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

```
.background{ background-color: rgb(220,  
226, 164) }
```

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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