

# Converting Colors

$Yxy(74.2688, 0.3555, 0.4081)$

Have a look what the booklet for  
Yxy(74.2688, 0.3555, 0.4081)  
contains.

|  |    |
|--|----|
| <b>Yxy(74.1609, 0.3556, 0.4086)</b> .....      | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 27 |
| <b><i>CSS Examples</i></b> .....               | 30 |

# Color

**Yxy(74.1609, 0.3556, 0.4086)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DFE59D                      |
| RGB         | 223, 229, 157               |
| RGB Percent | 87%, 90%, 62%               |
| CMY         | 0.1254, 0.1020, 0.3844      |
| CMYK        | 0.03, 0.00, 0.31, 0.10      |
| HSL         | 65°, 58%, 76%               |
| HSV         | 65°, 31%, 90%               |
| XYZ         | 64.5414, 74.1609, 42.7977   |
| YIQ         | 218.9980, 19.5360, -23.6640 |

# Conversions

## Conversions Part 2

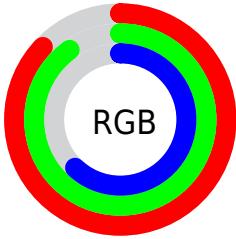
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 157, 229, 163                 |
| Decimal                             | 14673309                      |
| CIELab                              | 89.00, -13.10, 34.53          |
| CIELCh                              | 89, 36.930, 110.780           |
| Yxy                                 | 74.1609, 0.3556,<br>0.4086    |
| Android<br>(android.graphics.Color) | 4292863389<br>(0xFFDFE59D)    |
| YUV                                 | 218.9980, -30.5650,<br>3.5098 |
| Hunter-Lab                          | 86.1167, -16.9249,<br>30.8162 |

# Details

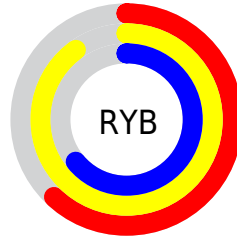
The Yxy color **74.1609, 0.3556, 0.4086** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5420, 0.2613, 0.2376**, and the grayscale version is **71.0460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **39.5075, 0.3641, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **73.1543, 0.3685, 0.4335**, and if you desaturate by 10%, it is **75.3241, 0.3420, 0.3829**.

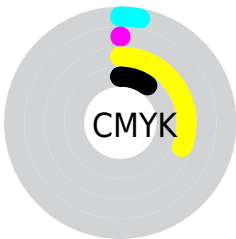
# Distribution



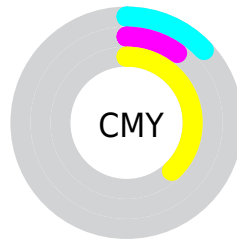
- Red (87%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (64%)



- Cyan (3%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)




- Cyan (13%)
- Magenta (10%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1609, 0.3556, 0.4086 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 74.1609, 0.3556, 0.4086 by changing the saturation by 10% instead.



 74.1609, 0.3556,  
0.4086

 74.1609, 0.3556,  
0.4086


475.0285, 0.3366,  
0.3713

 54.9257, 0.3596,  
0.4171


 125.1239, 0.3493,  
0.3956

 39.3423, 0.3644,  
0.4276


 157.6205, 0.3467,  
0.3906

 27.0261, 0.3701,  
0.4409


195.3063, 0.3445,  
0.3862

 17.5928, 0.3770,  
0.4579

238.5659, 0.3426,  
0.3825

 10.6581, 0.3850,  
0.4805

287.7834, 0.3408,  
0.3792

 5.8374, 0.3938,  
0.5111

343.3435, 0.3393,

 2.7465, 0.4199,

0.3762

0.5801

405.6304, 0.3379,  
0.3736

■ 1.0008, 0.3852,  
0.6148

■ 0.0000, 0.0000,  
0.0000

■ 74.1609, 0.3556,  
0.4086

■ 74.1609, 0.3556,  
0.4086

■ 73.1543, 0.3685,  
0.4335

■ 75.3241, 0.3420,  
0.3829

■ 72.2861, 0.3801,  
0.4565


■ 76.6415, 0.3282,  
0.3573

■ 71.5507, 0.3899,  
0.4768


■ 78.1236, 0.3146,  
0.3325


■ 70.9378, 0.3973,  
0.4933


■ 79.7768, 0.3016,  
0.3089

 70.4360, 0.4022,  
0.5054

 80.5007, 0.2990,  
0.3027


 70.0314, 0.4044,  
0.5132

 80.8210, 0.3002,  
0.3028

 69.7430, 0.4047,  
0.5169

 81.1446, 0.3014,  
0.3029

 81.4718, 0.3027,  
0.3030

 81.8024, 0.3040,  
0.3031

# Harmonies

## Analogous

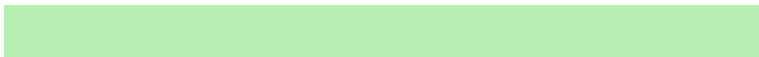
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1609, 0.3886, 0.3933



74.1609, 0.3556, 0.4086



74.1609, 0.3124, 0.3999

# Triad

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



74.1609, 0.3556, 0.4086



74.1609, 0.2315, 0.2856



74.1609, 0.3529, 0.2943

# Complementary

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



74.1609, 0.3556, 0.4086



37.5420, 0.2613, 0.2376

# Split Complementary

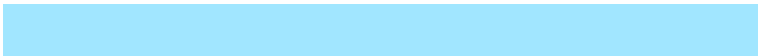
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.1609, 0.3080, 0.2696



74.1609, 0.3556, 0.4086



74.1609, 0.2403, 0.2630

# Square

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



74.1609, 0.3556, 0.4086



74.1609, 0.2423, 0.3234



74.1609, 0.2673, 0.2582



74.1609, 0.3880, 0.3274



# Rectangle

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



74.1609, 0.3556, 0.4086



74.1609, 0.2840, 0.3801



74.1609, 0.2673, 0.2582



74.1609, 0.3383, 0.2848

# Sweetspot

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



74.1642, 0.3556, 0.4086



98.2501, 0.3249, 0.3513



44.8524, 0.3827, 0.3348



20.9726, 0.3269, 0.3550



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.



74.1642, 0.3556, 0.4086



93.7608, 0.3644, 0.4256



69.1862, 0.3298, 0.4157



16.7533, 0.3255, 0.3523



39.9017, 0.4049, 0.5167



2.9666, 0.4071, 0.5149



# Inverse Universe

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



37.5420, 0.2613, 0.2376



39.8289, 0.2479, 0.2144



41.7386, 0.2895, 0.2444



13.9439, 0.2993, 0.3048



3.3343, 0.1528, 0.0615



0.2663, 0.1600, 0.0655



# Previews

## White Background



This preview shows how the Yxy color 74.1609, 0.3556, 0.4086 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 74.1609, 0.3556, 0.4086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

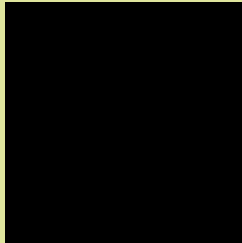
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.1609, 0.3556, 0.4086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1609, 0.3556, 0.4086.



This preview shows how white text looks on a background with the Yxy color 74.1609, 0.3556, 0.4086.

# 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**

74.1609, 0.3556, 0.4086

**Protanopia**

73.8427, 0.3726, 0.4012

**Deuteranopia**

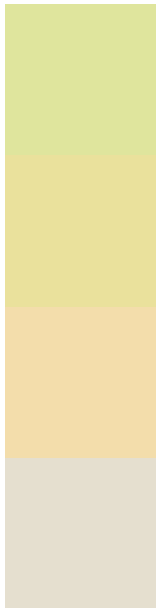
73.6264, 0.3687, 0.3672



## Tritanopia

74.0428, 0.3114, 0.3113

# Trichromacy



**Original Color**

74.1609, 0.3556, 0.4086

**Protanomaly**

73.7432, 0.3658, 0.4035

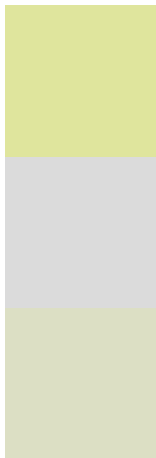
**Deuteranomaly**

73.7079, 0.3637, 0.3820

**Tritanomaly**

73.9384, 0.3277, 0.3463

# Monochromacy



**Original Color**

74.1609, 0.3556, 0.4086

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

71.9765, 0.3285, 0.3590

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1609, 0.3556, 0.4086 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(223, 229, 157)` looks like.

```
.text, #text, p{  
    color:rgb(223, 229, 157)  
}
```

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(223, 229, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 229, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1609, 0.3556, 0.4086 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(223, 229, 157) }
```

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

```
.border{ border-color:rgb(223, 229, 157) }
```

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

Here you see how a box with a 4 pixel rgb(223, 229, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 229, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 229, 157);  
box-shadow:4px 4px 4px 4px rgb(223, 229,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1609, 0.3556, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 229, 157) }
```

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

```
.background{ background-color: rgb(223,  
229, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor