

# Converting Colors

$Yxy(69.3805, 0.3587, 0.4193)$

Have a look what the booklet for  
Yxy(69.3805, 0.3587, 0.4193)  
contains.

<b>Yxy(69.0851, 0.3589, 0.4191)</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(69.0851, 0.3589, 0.4191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6DF90
RGB	214, 223, 144
RGB Percent	84%, 87%, 56%
CMY	0.1606, 0.1255, 0.4354
CMYK	0.04, 0.00, 0.35, 0.13
HSL	67°, 55%, 72%
HSV	67°, 35%, 87%
XYZ	59.1616, 69.0851, 36.5948
YIQ	211.3030, 19.9950, -26.4770

# Conversions

## Conversions Part 2

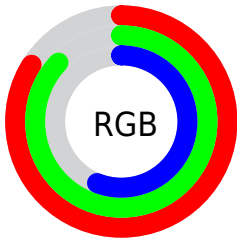
Format	Color
<a href="#">RYB</a>	<a href="#">144, 223, 153</a>
Decimal	<a href="#">14081936</a>
CIELab	<a href="#">86.55, -15.10, 37.75</a>
CIELCh	<a href="#">87, 40.657, 111.799</a>
Yxy	<a href="#">69.0851, 0.3589, 0.4191</a>
Android (android.graphics.Color)	<a href="#">4292272016 (0xFFD6DF90)</a>
YUV	<a href="#">211.3030, -33.1804, 2.3653</a>
Hunter-Lab	<a href="#">83.1174, -18.4022, 32.0781</a>

# Details

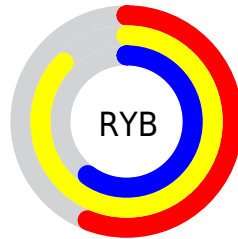
The Yxy color **69.0851, 0.3589, 0.4191** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.0350, 0.2555, 0.2248**, and the grayscale version is **65.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **36.0471, 0.3682, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **68.0951, 0.3708, 0.4438**, and if you desaturate by 10%, it is **70.2218, 0.3461, 0.3934**.

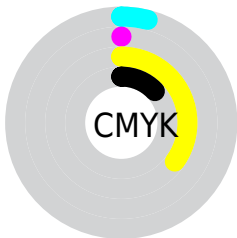
# Distribution



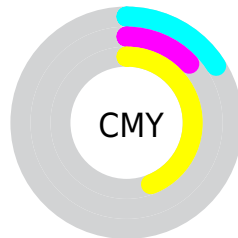
- Red (84%)
- Green (87%)
- Blue (56%)



- Red (56%)
- Yellow (87%)
- Blue (60%)



- Cyan (4%)
- Magenta (0%)
- Yellow (35%)
- Black (13%)




- Cyan (16%)
- Magenta (13%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0851, 0.3589, 0.4191 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 69.0851, 0.3589, 0.4191 by changing the saturation by 10% instead.





 69.0851, 0.3589,  
0.4191


 69.0851, 0.3589,  
0.4191


457.3311, 0.3385,  
0.3763

 50.7810, 0.3632,  
0.4290

 117.9031, 0.3521,  
0.4041

 36.0344, 0.3682,  
0.4412


 149.1858, 0.3494,  
0.3983

 24.4607, 0.3741,  
0.4566


185.5636, 0.3470,  
0.3933

 15.6757, 0.3810,  
0.4765

227.4207, 0.3449,  
0.3890

 9.2950, 0.3885,  
0.5028

275.1416, 0.3430,  
0.3852

 4.9341, 0.3974,  
0.5411

329.1107, 0.3413,

 2.2086, 0.4031,

0.3819

0.5969

389.7124, 0.3398,  
0.3789

0.7247, 0.3065,  
0.6935

0.0000, 0.0000,  
0.0000

69.0851, 0.3589,  
0.4191

69.0851, 0.3589,  
0.4191

68.0951, 0.3708,  
0.4438

70.2218, 0.3461,  
0.3934

67.2347, 0.3811,  
0.4664


71.5033, 0.3329,  
0.3675


66.4979, 0.3895,  
0.4858


72.9396, 0.3197,  
0.3423

65.8749, 0.3954,  
0.5013

74.5369, 0.3069,  
0.3182

 65.3541, 0.3987,  
0.5124

 76.2703, 0.2951,  
0.2961


 64.9213, 0.3995,  
0.5191

 76.6834, 0.2967,  
0.2962

 64.7419, 0.3993,  
0.5212

 77.1024, 0.2984,  
0.2964

 77.5276, 0.3001,  
0.2966

 77.9588, 0.3018,  
0.2967

# Harmonies

## Analogous

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



69.0851, 0.3969, 0.4016



69.0851, 0.3589, 0.4191



69.0851, 0.3102, 0.4088

# Triad

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



69.0851, 0.3589, 0.4191



69.0851, 0.2221, 0.2786



69.0851, 0.3595, 0.2912

# Complementary

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



69.0851, 0.3589, 0.4191



32.0350, 0.2555, 0.2248

# 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.



69.0851, 0.3088, 0.2635



69.0851, 0.3589, 0.4191



69.0851, 0.2326, 0.2546

# Square

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



69.0851, 0.3589, 0.4191



69.0851, 0.2331, 0.3206



69.0851, 0.2630, 0.2502



69.0851, 0.3987, 0.3280



# Rectangle

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



69.0851, 0.3589, 0.4191



69.0851, 0.2786, 0.3856



69.0851, 0.2630, 0.2502



69.0851, 0.3430, 0.2807

# Sweetspot

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



69.0882, 0.3589, 0.4191



97.7256, 0.3271, 0.3564



40.1194, 0.3940, 0.3387



20.8612, 0.3289, 0.3599



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.



69.0882, 0.3589, 0.4191



92.5550, 0.3684, 0.4387



63.9676, 0.3297, 0.4284



15.9466, 0.3250, 0.3523



38.1008, 0.3996, 0.5209



2.6637, 0.4028, 0.5183



# Inverse Universe

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



32.0350, 0.2555, 0.2248



34.8239, 0.2400, 0.1976



36.3961, 0.2881, 0.2337



13.3173, 0.2998, 0.3049



3.2806, 0.1542, 0.0623

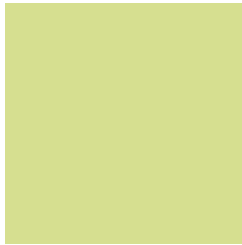


0.2526, 0.1641, 0.0678



# Previews

## White Background



This preview shows how the Yxy color 69.0851, 0.3589, 0.4191 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 69.0851, 0.3589, 0.4191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

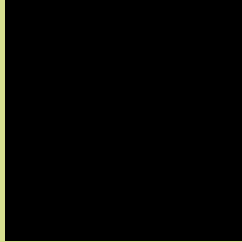
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0851, 0.3589, 0.4191**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0851, 0.3589, 0.4191.



This preview shows how white text looks on a background with the Yxy color 69.0851, 0.3589, 0.4191.

# 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

69.0851, 0.3589, 0.4191

### Protanopia

68.6970, 0.3800, 0.4103

### Deuteranopia

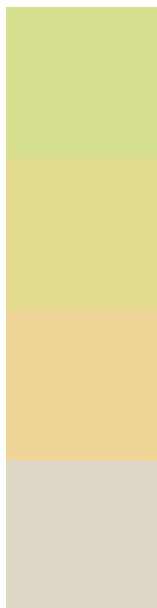
68.7721, 0.3886, 0.3829



## Tritanopia

68.7517, 0.3107, 0.3107

# Trichromacy



## Original Color

69.0851, 0.3589, 0.4191

## Protanomaly

68.9469, 0.3718, 0.4142

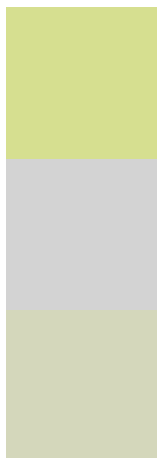
## Deuteranomaly

68.3808, 0.3775, 0.3947

## Tritanomaly

68.5611, 0.3288, 0.3491

# Monochromacy



## Original Color

69.0851, 0.3589, 0.4191

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.1858, 0.3298, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0851, 0.3589, 0.4191 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(214, 223, 144)` looks like.

```
.text, #text, p{  
    color:rgb(214, 223, 144)  
}
```

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(214, 223, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 223, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0851, 0.3589, 0.4191 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(214, 223, 144) }
```

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

```
.border{ border-color:rgb(214, 223, 144) }
```

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

Here you see how a box with a 4 pixel rgb(214, 223, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 223, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 223, 144);  
box-shadow:4px 4px 4px 4px rgb(214, 223,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0851, 0.3589, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 223, 144) }
```

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

```
.background{ background-color: rgb(214,  
223, 144) }
```

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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