

# Converting Colors

Yxy(69.9942, 0.3696, 0.4421)

Have a look what the booklet for  
Yxy(69.9942, 0.3696, 0.4421)  
contains.

<b>Yxy(70.1695, 0.3695, 0.4423)</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(70.1695, 0.3695, 0.4423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E27D
RGB	214, 226, 125
RGB Percent	84%, 89%, 49%
CMY	0.1610, 0.1137, 0.5098
CMYK	0.05, 0.00, 0.45, 0.11
HSL	67°, 64%, 69%
HSV	67°, 45%, 89%
XYZ	58.6200, 70.1695, 29.8573
YIQ	210.8980, 25.2690, -33.9550

# Conversions

## Conversions Part 2

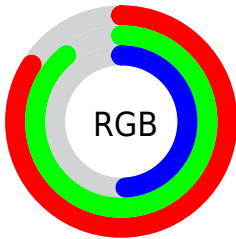
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 226, 137
Decimal	14082685
CIELab	87.08, -18.71, 47.79
CIELCh	87, 51.319, 111.377
Yxy	70.1695, 0.3695, 0.4423
Android (android.graphics.Color)	4292272765 (0xFFD6E27D)
YUV	210.8980, -42.3477, 2.7205
Hunter-Lab	83.7672, -21.6790, 37.5042

# Details

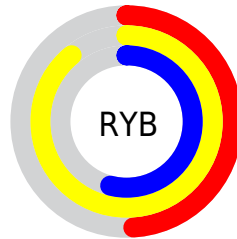
The Yxy color **70.1695, 0.3695, 0.4423** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.4847, 0.2376, 0.1929**, and the grayscale version is **65.3406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **36.8760, 0.3800, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **69.2565, 0.3799, 0.4652**, and if you desaturate by 10%, it is **71.2270, 0.3576, 0.4174**.

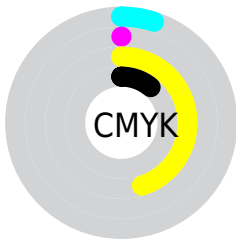
# Distribution



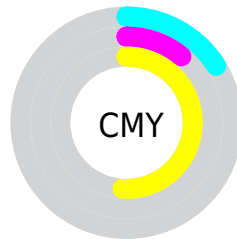
- Red (84%)
- Green (89%)
- Blue (49%)



- Red (49%)
- Yellow (89%)
- Blue (54%)



- Cyan (5%)
- Magenta (0%)
- Yellow (45%)
- Black (11%)




- Cyan (16%)
- Magenta (11%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1695, 0.3695, 0.4423 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 70.1695, 0.3695, 0.4423 by changing the saturation by 10% instead.




 70.1695, 0.3695,  
0.4423

 70.1695, 0.3695,  
0.4423

461.1449, 0.3452,  
0.3888

 51.6647, 0.3743,  
0.4544


 119.4504, 0.3616,  
0.4238

 36.7379, 0.3796,  
0.4692


 150.9954, 0.3584,  
0.4165

 25.0046, 0.3856,  
0.4875


 187.6559, 0.3556,  
0.4103

 16.0805, 0.3917,  
0.5104

229.8163, 0.3530,  
0.4049

 9.5811, 0.3968,  
0.5392

277.8610, 0.3507,  
0.4001

 5.1221, 0.4087,  
0.5913

332.1744, 0.3487,

 2.3191, 0.3840,

0.3959

0.6160

393.1409, 0.3469,  
0.3922

0.7838, 0.2689,  
0.7311

0.0000, 0.0000,  
0.0000

70.1695, 0.3695,  
0.4423

70.1695, 0.3695,  
0.4423

69.2565, 0.3799,  
0.4652

71.2270, 0.3576,  
0.4174

68.4695, 0.3883,  
0.4851

72.4276, 0.3449,  
0.3916

67.8014, 0.3943,  
0.5010


73.7822, 0.3318,  
0.3657

67.2403, 0.3976,  
0.5125


75.2976, 0.3187,  
0.3404


 66.7718, 0.3985,  
0.5195


 76.9806, 0.3061,  
0.3164

 66.5483, 0.3982,  
0.5220

 78.4702, 0.2974,  
0.2994

 78.9207, 0.2992,  
0.2996

 79.3780, 0.3010,  
0.2998

 79.8424, 0.3027,  
0.2999

# Harmonies

## Analogous

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



70.1695, 0.4173, 0.4170



70.1695, 0.3695, 0.4423



70.1695, 0.3091, 0.4319

# Triad

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



70.1695, 0.3695, 0.4423



70.1695, 0.2018, 0.2657



70.1695, 0.3702, 0.2816

# Complementary

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



70.1695, 0.3695, 0.4423



25.4847, 0.2376, 0.1929

# 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.



70.1695, 0.3063, 0.2486



70.1695, 0.3695, 0.4423



70.1695, 0.2140, 0.2373

# Square

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



70.1695, 0.3695, 0.4423



70.1695, 0.2148, 0.3179



70.1695, 0.2501, 0.2325



70.1695, 0.4205, 0.3256



# Rectangle

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



70.1695, 0.3695, 0.4423



70.1695, 0.2700, 0.4023



70.1695, 0.2501, 0.2325



70.1695, 0.3492, 0.2691

# Sweetspot

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



70.1727, 0.3695, 0.4423



97.3028, 0.3297, 0.3615



35.4842, 0.4254, 0.3432



20.7366, 0.3326, 0.3672



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.



70.1727, 0.3695, 0.4423



91.0850, 0.3796, 0.4645



63.7468, 0.3316, 0.4580



15.9422, 0.3249, 0.3523



37.9935, 0.3985, 0.5218



2.6573, 0.4019, 0.5191



# Inverse Universe

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



25.4847, 0.2376, 0.1929



25.0599, 0.2182, 0.1597



30.7628, 0.2811, 0.2077



13.3213, 0.2999, 0.3049



3.2922, 0.1545, 0.0625

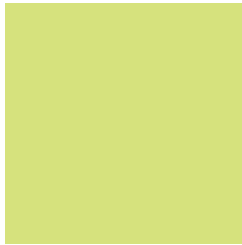


0.2545, 0.1649, 0.0682



# Previews

## White Background



This preview shows how the Yxy color 70.1695, 0.3695, 0.4423 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 70.1695, 0.3695, 0.4423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

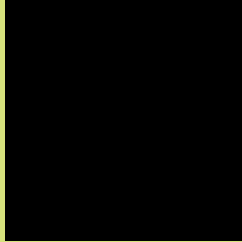
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.1695, 0.3695, 0.4423**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1695, 0.3695, 0.4423.



This preview shows how white text looks on a background with the Yxy color 70.1695, 0.3695, 0.4423.

# 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

70.1695, 0.3695, 0.4423

### Protanopia

69.8987, 0.3947, 0.4299

### Deuteranopia

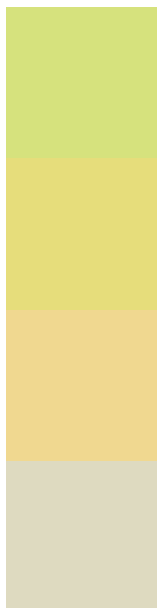
69.7197, 0.3885, 0.3859



## Tritanopia

70.0314, 0.3100, 0.3108

# Trichromacy



## Original Color

70.1695, 0.3695, 0.4423

## Protanomaly

69.9660, 0.3855, 0.4346

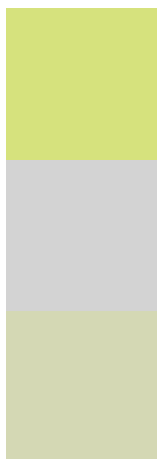
## Deuteranomaly

69.6506, 0.3820, 0.4060

## Tritanomaly

69.4782, 0.3335, 0.3580

# Monochromacy



## Original Color

70.1695, 0.3695, 0.4423

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

66.4041, 0.3345, 0.3706

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1695, 0.3695, 0.4423 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, 226, 125)` looks like.

```
.text, #text, p{  
    color:rgb(214, 226, 125)  
}
```

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, 226, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 226, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1695, 0.3695, 0.4423 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, 226, 125) }
```

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

```
.border{ border-color:rgb(214, 226, 125) }
```

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

Here you see how a box with a 4 pixel rgb(214, 226, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 226, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 226, 125);  
box-shadow:4px 4px 4px 4px rgb(214, 226,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1695, 0.3695, 0.4423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 226, 125) }
```

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

```
.background{ background-color: rgb(214,  
226, 125) }
```

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