

# Converting Colors

$Yxy(72.0506, 0.3651, 0.4175)$

Have a look what the booklet for  
Yxy(72.0506, 0.3651, 0.4175)  
contains.

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# Color

**Yxy(71.7421, 0.3653, 0.4175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E191
RGB	224, 225, 145
RGB Percent	88%, 88%, 57%
CMY	0.1216, 0.1176, 0.4314
CMYK	0.00, 0.00, 0.36, 0.12
HSL	61°, 57%, 73%
HSV	61°, 36%, 88%
XYZ	62.7722, 71.7421, 37.3231
YIQ	215.5810, 25.0840, -25.0920

# Conversions

## Conversions Part 2

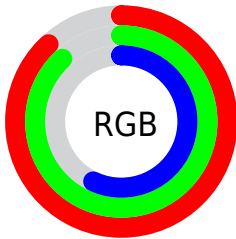
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 225, 146
Decimal	14737809
CIE <sub>Lab</sub>	87.84, -12.18, 39.07
CIE <sub>LCh</sub>	88, 40.926, 107.314
Yxy	71.7421, 0.3653, 0.4175
Android (android.graphics.Color)	4292927889 (0xFFE0E191)
YUV	215.5810, -34.7964, 7.3835
Hunter-Lab	84.7007, -15.9388, 33.1646

# Details

The Yxy color **71.7421, 0.3653, 0.4175** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.7980, 0.2490, 0.2226**, and the grayscale version is **68.5976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **37.8646, 0.3765, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **71.0725, 0.3790, 0.4407**, and if you desaturate by 10%, it is **72.5558, 0.3507, 0.3928**.

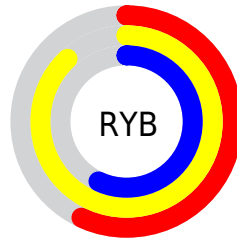
# Distribution



Red (88%)

Green (88%)

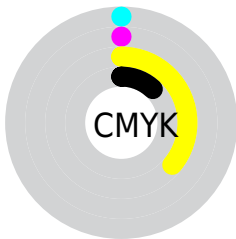
Blue (57%)



Red (57%)

Yellow (88%)

Blue (57%)

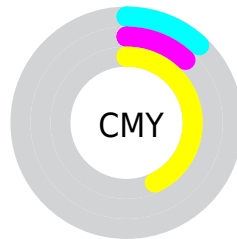


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (12%)



Cyan (12%)

Magenta (12%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7421, 0.3653, 0.4175 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 71.7421, 0.3653, 0.4175 by changing the saturation by 10% instead.





 71.7421, 0.3653,  
0.4175

 71.7421, 0.3653,  
0.4175


466.6434, 0.3420,  
0.3760

 52.9480, 0.3702,  
0.4269

 121.6898, 0.3575,  
0.4031

 37.7613, 0.3760,  
0.4385


 153.6122, 0.3544,  
0.3975

 25.7975, 0.3829,  
0.4529


190.6795, 0.3517,  
0.3927

 16.6722, 0.3910,  
0.4713

233.2761, 0.3493,  
0.3885

 10.0010, 0.4003,  
0.4950

281.7864, 0.3471,  
0.3848

 5.3996, 0.4109,  
0.5280

336.5948, 0.3452,

 2.4836, 0.4225,

0.3815

0.5775

398.0857, 0.3435,  
0.3786

0.8684, 0.3781,  
0.6219

0.0000, 0.0000,  
0.0000

71.7421, 0.3653,  
0.4175

71.7421, 0.3653,  
0.4175

71.0725, 0.3790,  
0.4407

72.5558, 0.3507,  
0.3928

70.5290, 0.3912,  
0.4615

73.5112, 0.3357,  
0.3675


70.1059, 0.4013,  
0.4788

74.6186, 0.3208,  
0.3425


69.7930, 0.4090,  
0.4921

75.8845, 0.3064,  
0.3184


 69.5784, 0.4140,  
0.5010

 77.1530, 0.2943,  
0.2981


 69.4476, 0.4165,  
0.5058

 77.1996, 0.2945,  
0.2981

 69.4054, 0.4171,  
0.5070

 77.2463, 0.2947,  
0.2982

 77.2930, 0.2949,  
0.2982

 77.3399, 0.2950,  
0.2982

# Harmonies

## Analogous

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



71.7421, 0.4004, 0.3969



71.7421, 0.3653, 0.4175



71.7421, 0.3177, 0.4118

# Triad

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



71.7421, 0.3653, 0.4175



71.7421, 0.2229, 0.2841



71.7421, 0.3520, 0.2866

# Complementary

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



71.7421, 0.3653, 0.4175



31.7980, 0.2490, 0.2226

# 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.



71.7421, 0.3014, 0.2609



71.7421, 0.3653, 0.4175



71.7421, 0.2301, 0.2573

# Square

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



71.7421, 0.3653, 0.4175



71.7421, 0.2370, 0.3280



71.7421, 0.2576, 0.2501



71.7421, 0.3937, 0.3223



# Rectangle

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



71.7421, 0.3653, 0.4175



71.7421, 0.2856, 0.3914



71.7421, 0.2576, 0.2501



71.7421, 0.3353, 0.2766

# Sweetspot

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



71.7453, 0.3653, 0.4175



98.2550, 0.3290, 0.3563



38.3019, 0.3979, 0.3293



20.9884, 0.3310, 0.3597



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.



71.7453, 0.3653, 0.4175



94.5691, 0.3760, 0.4357



66.2151, 0.3356, 0.4270



16.0201, 0.3265, 0.3522



39.9943, 0.4171, 0.5070



2.7751, 0.4175, 0.5067



# Inverse Universe

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



31.7980, 0.2490, 0.2226



33.7586, 0.2325, 0.1952



35.9998, 0.2810, 0.2313



13.2517, 0.2982, 0.3048



3.1472, 0.1504, 0.0602

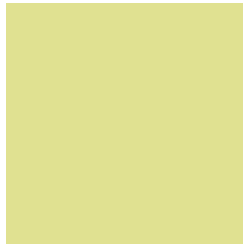


0.2211, 0.1517, 0.0609



# Previews

## White Background



This preview shows how the Yxy color 71.7421, 0.3653, 0.4175 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 71.7421, 0.3653, 0.4175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

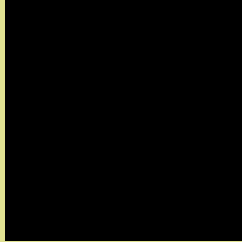
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.7421, 0.3653, 0.4175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7421, 0.3653, 0.4175.



This preview shows how white text looks on a background with the Yxy color 71.7421, 0.3653, 0.4175.

# 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

71.7421, 0.3653, 0.4175

### Protanopia

71.5203, 0.3802, 0.4111

### Deuteranopia

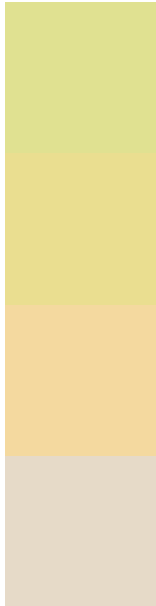
71.6385, 0.3785, 0.3766



## Tritanopia

71.3551, 0.3157, 0.3112

# Trichromacy



**Original Color**

71.7421, 0.3653, 0.4175

**Protanomaly**

71.7486, 0.3748, 0.4132

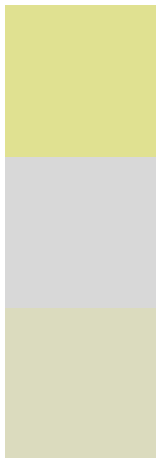
**Deuteranomaly**

71.3620, 0.3742, 0.3906

**Tritanomaly**

71.1359, 0.3339, 0.3486

# Monochromacy



**Original Color**

71.7421, 0.3653, 0.4175

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.4408, 0.3324, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7421, 0.3653, 0.4175 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(224, 225, 145)` looks like.

```
.text, #text, p{  
    color:rgb(224, 225, 145)  
}
```

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(224, 225, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 225, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7421, 0.3653, 0.4175 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(224, 225, 145) }
```

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

```
.border{ border-color:rgb(224, 225, 145) }
```

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

Here you see how a box with a 4 pixel rgb(224, 225, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 225, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 225, 145);  
box-shadow:4px 4px 4px 4px rgb(224, 225,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7421, 0.3653, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 225, 145) }
```

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

```
.background{ background-color: rgb(224,  
225, 145) }
```

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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