

# Converting Colors

$Yxy(69.7621, 0.3500, 0.3687)$

Have a look what the booklet for  
Yxy(69.7621, 0.3500, 0.3687)  
contains.

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# **Color**

**Yxy(69.5628, 0.3500, 0.3685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D8B4
RGB	232, 216, 180
RGB Percent	91%, 85%, 71%
CMY	0.0903, 0.1529, 0.2940
CMYK	0.00, 0.07, 0.22, 0.09
HSL	42°, 53%, 81%
HSV	42°, 22%, 91%
XYZ	66.0705, 69.5628, 53.1396
YIQ	216.6800, 21.0920, -7.8040

# Conversions

## Conversions Part 2

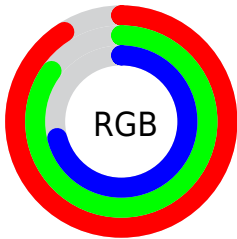
Format	Color
R <sub>Y</sub> B	203, 232, 180
Decimal	15259828
CIE Lab	86.78, -0.10, 19.75
CIE LCh	87, 19.746, 90.304
Yxy	69.5628, 0.3500, 0.3685
Android (android.graphics.Color)	4293449908 (0xFFE8D8B4)
YUV	216.6800, -18.0832, 13.4356
Hunter-Lab	83.4043, -4.5550, 20.6075

# Details

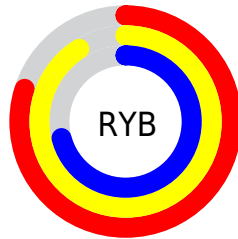
The Yxy color **69.5628, 0.3500, 0.3685** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.0126, 0.2763, 0.2861**, and the grayscale version is **69.2744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **36.2522, 0.3592, 0.3777** is the 20% darker color. If you saturate the color by 10%, you get **65.1223, 0.3689, 0.3868**, and if you desaturate by 10%, it is **74.3265, 0.3324, 0.3504**.

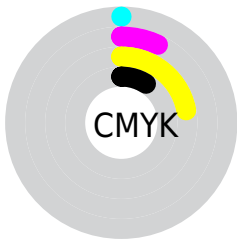
# Distribution



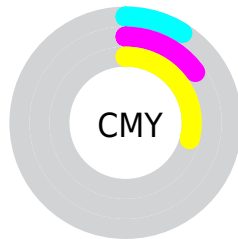
- Red (91%)
- Green (85%)
- Blue (71%)



- Red (80%)
- Yellow (91%)
- Blue (71%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (9%)




- Cyan (9%)
- Magenta (15%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5628, 0.3500, 0.3685 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 69.5628, 0.3500, 0.3685 by changing the saturation by 10% instead.





 69.5628, 0.3500,  
0.3685

 69.5628, 0.3500,  
0.3685

459.0134, 0.3326,  
0.3501

 51.1702, 0.3540,  
0.3727


 118.5851, 0.3440,  
0.3621

 36.3441, 0.3589,  
0.3779


149.9835, 0.3416,  
0.3596

 24.7000, 0.3651,  
0.3845


186.4860, 0.3396,  
0.3575

 15.8537, 0.3731,  
0.3930

228.4770, 0.3379,  
0.3556

 9.4207, 0.3840,  
0.4045

276.3408, 0.3363,  
0.3540

 5.0166, 0.3993,  
0.4208

330.4619, 0.3350,

 2.2570, 0.4247,

0.3526

0.4478

391.2247, 0.3337,  
0.3513

0.7508, 0.4864,  
0.5136

0.0000, 0.0000,  
0.0000

69.5628, 0.3500,  
0.3685

69.5628, 0.3500,  
0.3685

65.1223, 0.3689,  
0.3868

74.3265, 0.3324,  
0.3504

60.9856, 0.3889,  
0.4047

79.4132, 0.3163,  
0.3330

57.1454, 0.4094,  
0.4212

84.8348, 0.3018,  
0.3166

53.5902, 0.4296,  
0.4354

89.3980, 0.2987,  
0.3185

■ 50.3073, 0.4485,  
0.4460

■ 93.7861, 0.2987,  
0.3257

■ 47.2825, 0.4652,  
0.4521

■ 95.8927, 0.2987,  
0.3290

■ 44.4990, 0.4789,  
0.4532

■ 42.5245, 0.4875,  
0.4511

# Harmonies

## Analogous

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



69.5628, 0.3602, 0.3550



69.5628, 0.3500, 0.3685



69.5628, 0.3298, 0.3715

# Triad

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



69.5628, 0.3500, 0.3685



69.5628, 0.2701, 0.3197



69.5628, 0.3185, 0.2990

# Complementary

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



69.5628, 0.3500, 0.3685



55.0126, 0.2763, 0.2861

# 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.



69.5628, 0.2945, 0.2898



69.5628, 0.3500, 0.3685



69.5628, 0.2673, 0.3007

# Square

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



69.5628, 0.3500, 0.3685



69.5628, 0.2839, 0.3425



69.5628, 0.2760, 0.2902



69.5628, 0.3417, 0.3154



# Rectangle

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



69.5628, 0.3500, 0.3685



69.5628, 0.3137, 0.3665



69.5628, 0.2760, 0.2902



69.5628, 0.3102, 0.2950

# Sweetspot

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



69.5659, 0.3500, 0.3685



95.4517, 0.3236, 0.3410



53.8147, 0.3442, 0.3107



20.3487, 0.3246, 0.3421



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

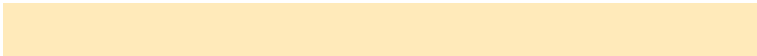


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5659, 0.3500, 0.3685



83.5622, 0.3588, 0.3772



76.6012, 0.3395, 0.3861



16.0301, 0.3275, 0.3452



23.8451, 0.4861, 0.4522



1.9248, 0.4740, 0.4618



# Inverse Universe

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



55.0126, 0.2763, 0.2861



62.4573, 0.2679, 0.2756



49.3695, 0.2819, 0.2676



14.6062, 0.2981, 0.3122



5.9552, 0.1617, 0.1019

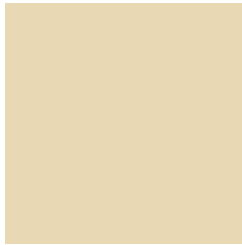


0.6002, 0.1697, 0.1309



# Previews

## White Background



This preview shows how the Yxy color 69.5628, 0.3500, 0.3685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

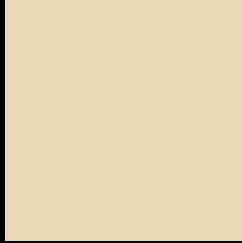
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5628, 0.3500, 0.3685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

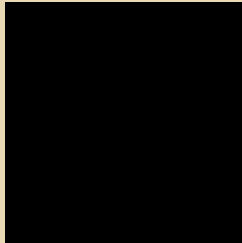
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5628, 0.3500, 0.3685**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5628, 0.3500, 0.3685.



This preview shows how white text looks on a background with the Yxy color 69.5628, 0.3500, 0.3685.

# 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

69.5628, 0.3500, 0.3685

### Protanopia

69.5790, 0.3475, 0.3699

### Deuteranopia

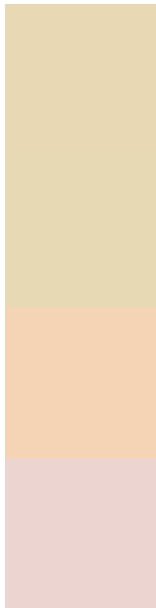
69.4464, 0.3661, 0.3584



## Tritanopia

69.7613, 0.3224, 0.3122

# Trichromacy



**Original Color**

69.5628, 0.3500, 0.3685

**Protanomaly**

69.7440, 0.3483, 0.3698

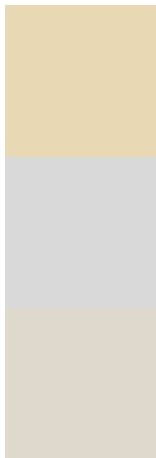
**Deuteranomaly**

69.6563, 0.3597, 0.3621

**Tritanomaly**

69.5233, 0.3328, 0.3323

# Monochromacy



**Original Color**

69.5628, 0.3500, 0.3685

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

69.5149, 0.3252, 0.3434

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5628, 0.3500, 0.3685 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(232, 216, 180)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 180)  
}
```

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(232, 216, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5628, 0.3500, 0.3685 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(232, 216, 180) }
```

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

```
.border{ border-color:rgb(232, 216, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 216, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 216, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 216, 180); box-shadow:4px 4px 4px 4px rgb(232, 216, 180) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5628, 0.3500, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 180) }
```

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

```
.background{ background-color: rgb(232,  
216, 180) }
```

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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