

# Converting Colors

$Y_{xy}(65.1956, 0.3727, 0.4080)$

Have a look what the booklet for  
Yxy(65.1956, 0.3727, 0.4080)  
contains.

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# Color

**Yxy(65.0475, 0.3728, 0.4077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D48E
RGB	225, 212, 142
RGB Percent	88%, 83%, 56%
CMY	0.1176, 0.1686, 0.4430
CMYK	0.00, 0.06, 0.37, 0.12
HSL	51°, 58%, 72%
HSV	51°, 37%, 88%
XYZ	59.4793, 65.0475, 35.0207
YIQ	207.9070, 30.2180, -19.0140

# Conversions

## Conversions Part 2

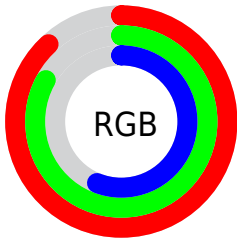
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 225, 142
Decimal	14800014
CIE <sub>Lab</sub>	84.51, -5.55, 36.26
CIE <sub>LCh</sub>	85, 36.682, 98.705
Yxy	65.0475, 0.3728, 0.4077
Android (android.graphics.Color)	4292990094 (0xFFE1D48E)
YUV	207.9070, -32.4922, 14.9906
Hunter-Lab	80.6520, -9.5008, 30.7116

# Details

The Yxy color **65.0475, 0.3728, 0.4077** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.6401, 0.2479, 0.2355**, and the grayscale version is **63.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **33.5339, 0.3852, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **62.6981, 0.3897, 0.4280**, and if you desaturate by 10%, it is **67.5778, 0.3557, 0.3863**.

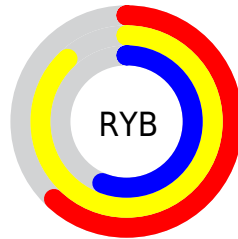
# Distribution



Red (88%)

Green (83%)

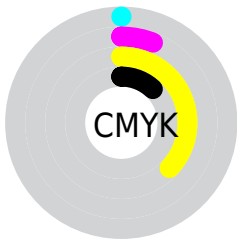
Blue (56%)



Red (62%)

Yellow (88%)

Blue (56%)

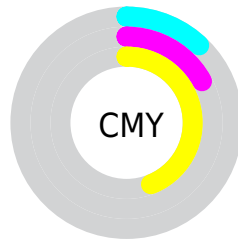


Cyan (0%)

Magenta (6%)

Yellow (37%)

Black (12%)



Cyan (12%)

Magenta (17%)


Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0475, 0.3728, 0.4077 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 65.0475, 0.3728, 0.4077 by changing the saturation by 10% instead.





 65.0475, 0.3728,  
0.4077

 65.0475, 0.3728,  
0.4077

442.9626, 0.3452,  
0.3707

 47.4996, 0.3789,  
0.4161


 112.1181, 0.3634,  
0.3948

 33.4308, 0.3862,  
0.4265


 142.4097, 0.3596,  
0.3898

 22.4567, 0.3952,  
0.4394


177.7179, 0.3564,  
0.3855

 14.1928, 0.4062,  
0.4559

218.4271, 0.3536,  
0.3818

 8.2549, 0.4196,  
0.4771

264.9218, 0.3511,  
0.3785

 4.2585, 0.4399,  
0.5099

317.5864, 0.3489,

 1.8192, 0.4551,

0.3756

0.5449

376.8052, 0.3470,  
0.3730

0.4991, 0.4044,  
0.5956

0.0000, 0.0000,  
0.0000

65.0475, 0.3728,  
0.4077

65.0475, 0.3728,  
0.4077

62.6981, 0.3897,  
0.4280

67.5778, 0.3557,  
0.3863

60.5121, 0.4057,  
0.4461

70.2878, 0.3390,  
0.3645

58.4831, 0.4202,  
0.4611

73.1877, 0.3231,  
0.3432

56.6005, 0.4324,  
0.4721

76.2844, 0.3082,  
0.3227

■ 54.8519, 0.4419,  
0.4785

■ 79.5842, 0.2944,  
0.3034

■ 53.2215, 0.4486,  
0.4805

■ 81.5923, 0.2942,  
0.3066

■ 52.7285, 0.4504,  
0.4806

■ 83.6098, 0.2943,  
0.3103

■ 85.6674, 0.2943,  
0.3139

■ 87.7653, 0.2944,  
0.3175

# Harmonies

## Analogous

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



65.0475, 0.3997, 0.3840



65.0475, 0.3728, 0.4077



65.0475, 0.3308, 0.4097

# Triad

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



65.0475, 0.3728, 0.4077



65.0475, 0.2308, 0.2980



65.0475, 0.3359, 0.2814

# Complementary

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



65.0475, 0.3728, 0.4077



34.6401, 0.2479, 0.2355

# 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.



65.0475, 0.2896, 0.2610



65.0475, 0.3728, 0.4077



65.0475, 0.2318, 0.2678

# Square

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



65.0475, 0.3728, 0.4077



65.0475, 0.2497, 0.3415



65.0475, 0.2524, 0.2556



65.0475, 0.3784, 0.3128



# Rectangle

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



65.0475, 0.3728, 0.4077



65.0475, 0.3003, 0.3958



65.0475, 0.2524, 0.2556



65.0475, 0.3201, 0.2731

# Sweetspot

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



65.0505, 0.3728, 0.4077



95.5516, 0.3297, 0.3521



37.7568, 0.3871, 0.3128



20.3393, 0.3319, 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.



65.0505, 0.3728, 0.4077



84.0507, 0.3854, 0.4229



67.7224, 0.3467, 0.4275



15.6446, 0.3271, 0.3486



30.5254, 0.4498, 0.4810



2.2156, 0.4444, 0.4854



# Inverse Universe

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



34.6401, 0.2479, 0.2355



38.3144, 0.2331, 0.2128



33.3007, 0.2676, 0.2240



13.5883, 0.2981, 0.3086



3.9426, 0.1538, 0.0736



0.3819, 0.1606, 0.0981



# Previews

## White Background



This preview shows how the Yxy color 65.0475, 0.3728, 0.4077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

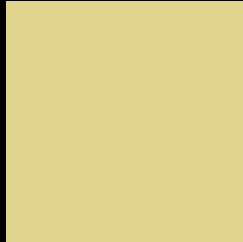
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0475, 0.3728, 0.4077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

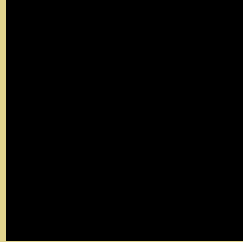
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.0475, 0.3728, 0.4077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.0475, 0.3728, 0.4077.



This preview shows how white text looks on a background with the Yxy color 65.0475, 0.3728, 0.4077.

# 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

65.0475, 0.3728, 0.4077

### Protanopia

65.1995, 0.3765, 0.4058

### Deuteranopia

64.9501, 0.3978, 0.3897



## Tritanopia

64.7954, 0.3259, 0.3119

# Trichromacy



## Original Color

65.0475, 0.3728, 0.4077

## Protanomaly

65.0355, 0.3757, 0.4060

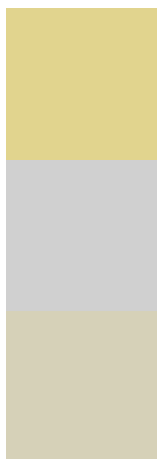
## Deuteranomaly

65.0030, 0.3885, 0.3968

## Tritanomaly

64.8492, 0.3439, 0.3468

# Monochromacy



## Original Color

65.0475, 0.3728, 0.4077

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.3578, 0.3344, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0475, 0.3728, 0.4077 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(225, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(225, 212, 142)  
}
```

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(225, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 212, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0475, 0.3728, 0.4077 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(225, 212, 142) }
```

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

```
.border{ border-color:rgb(225, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(225, 212,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0475, 0.3728, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 212, 142) }
```

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

```
.background{ background-color: rgb(225,  
212, 142) }
```

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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