

# Converting Colors

Yxy(64.7393, 0.3757, 0.4090)

Have a look what the booklet for  
Yxy(64.7393, 0.3757, 0.4090)  
contains.

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# Color

**Yxy(64.6507, 0.3754, 0.4087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D38C
RGB	226, 211, 140
RGB Percent	89%, 83%, 55%
CMY	0.1139, 0.1725, 0.4510
CMYK	0.00, 0.07, 0.38, 0.11
HSL	50°, 60%, 72%
HSV	50°, 38%, 89%
XYZ	59.3831, 64.6507, 34.1524
YIQ	207.3910, 31.7310, -18.9010

# Conversions

## Conversions Part 2

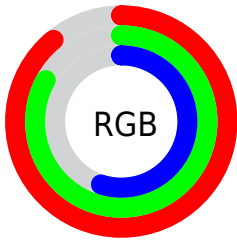
Format	Color
<b>RYB</b>	158, 226, 140
Decimal	14865292
CIELab	84.30, -4.90, 37.05
CIElCh	84, 37.371, 97.533
Yxy	64.6507, 0.3754, 0.4087
Android (android.graphics.Color)	4293055372 (0xFFE2D38C)
YUV	207.3910, -33.2238, 16.3201
Hunter-Lab	80.4057, -8.8798, 31.1005

# Details

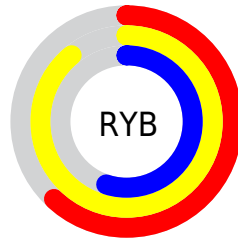
The Yxy color **64.6507, 0.3754, 0.4087** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.4832, 0.2459, 0.2339**, and the grayscale version is **62.8636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **33.2702, 0.3886, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **62.1256, 0.3926, 0.4285**, and if you desaturate by 10%, it is **67.3663, 0.3581, 0.3877**.

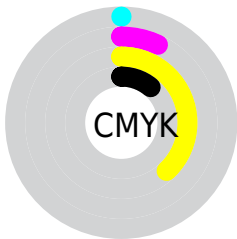
# Distribution



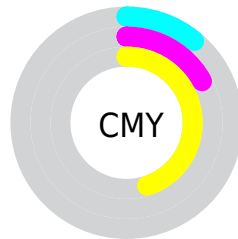
- Red (89%)
- Green (83%)
- Blue (55%)



- Red (62%)
- Yellow (89%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (11%)



- Cyan (11%)
- Magenta (17%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6507, 0.3754, 0.4087 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 64.6507, 0.3754, 0.4087 by changing the saturation by 10% instead.



64.6507, 0.3754,  
0.4087

64.6507, 0.3754,  
0.4087

441.5357, 0.3466,  
0.3712

47.1779, 0.3818,  
0.4172

111.5475, 0.3655,  
0.3957

33.1763, 0.3894,  
0.4276

141.7403, 0.3617,  
0.3906

22.2615, 0.3988,  
0.4406

176.9419, 0.3583,  
0.3863

14.0492, 0.4103,  
0.4570

217.5367, 0.3554,  
0.3825

8.1549, 0.4242,  
0.4780

263.9091, 0.3528,  
0.3792

4.1942, 0.4466,  
0.5120

316.4435, 0.3505,

1.7828, 0.4587,

0.3762

0.5413

375.5242, 0.3484,  
0.3736

0.4764, 0.4116,  
0.5884

0.0000, 0.0000,  
0.0000

64.6507, 0.3754,  
0.4087

64.6507, 0.3754,  
0.4087

62.1256, 0.3926,  
0.4285

67.3663, 0.3581,  
0.3877

59.7734, 0.4090,  
0.4461

70.2715, 0.3411,  
0.3664

57.5873, 0.4238,  
0.4604

73.3769, 0.3250,  
0.3453

55.5563, 0.4363,  
0.4707

76.6893, 0.3099,  
0.3251

■ 53.6675, 0.4461,  
0.4763

■ 80.2155, 0.2959,  
0.3061

■ 51.9030, 0.4530,  
0.4775

■ 82.5655, 0.2948,  
0.3081

■ 51.5684, 0.4543,  
0.4775

■ 84.8350, 0.2949,  
0.3122

■ 87.1543, 0.2950,  
0.3162

■ 89.5240, 0.2950,  
0.3203

# Harmonies

## Analogous

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



64.6507, 0.4021, 0.3837



64.6507, 0.3754, 0.4087



64.6507, 0.3329, 0.4119

# Triad

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



64.6507, 0.3754, 0.4087



64.6507, 0.2296, 0.2989



64.6507, 0.3345, 0.2795

# Complementary

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



64.6507, 0.3754, 0.4087



34.4832, 0.2459, 0.2339

# 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.



64.6507, 0.2873, 0.2592



64.6507, 0.3754, 0.4087



64.6507, 0.2298, 0.2674

# Square

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



64.6507, 0.3754, 0.4087



64.6507, 0.2496, 0.3436



64.6507, 0.2500, 0.2543



64.6507, 0.3783, 0.3110



# Rectangle

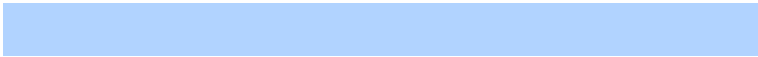
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6507, 0.3754, 0.4087



64.6507, 0.3018, 0.3985



64.6507, 0.2500, 0.2543



64.6507, 0.3184, 0.2712

# Sweetspot

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



64.6537, 0.3754, 0.4087



95.2511, 0.3297, 0.3516



37.3063, 0.3889, 0.3106



20.2673, 0.3319, 0.3545



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.



64.6537, 0.3754, 0.4087



82.2776, 0.3896, 0.4252



68.3742, 0.3488, 0.4304



15.6028, 0.3271, 0.3482



29.5849, 0.4536, 0.4780



2.1587, 0.4474, 0.4829



# Inverse Universe

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



34.4832, 0.2459, 0.2339



37.0835, 0.2295, 0.2090



32.4788, 0.2646, 0.2199



13.6266, 0.2981, 0.3090



4.0914, 0.1545, 0.0760

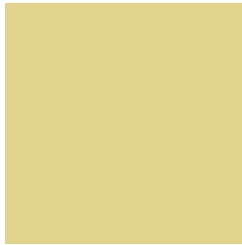


0.4000, 0.1617, 0.1020



# Previews

## White Background



This preview shows how the Yxy color 64.6507, 0.3754, 0.4087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

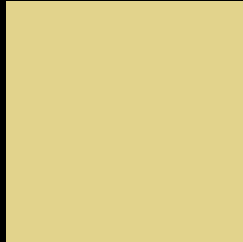
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6507, 0.3754, 0.4087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

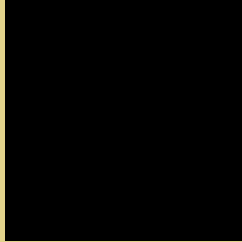
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6507, 0.3754, 0.4087**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6507, 0.3754, 0.4087.

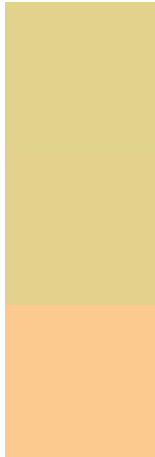


This preview shows how white text looks on a background with the Yxy color 64.6507, 0.3754, 0.4087.

# 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

64.6507, 0.3754, 0.4087

### Protanopia

64.4806, 0.3775, 0.4072

### Deuteranopia

64.4217, 0.3998, 0.3907



## Tritanopia

64.4452, 0.3275, 0.3119

# Trichromacy



## Original Color

64.6507, 0.3754, 0.4087

## Protanomaly

64.3175, 0.3766, 0.4074

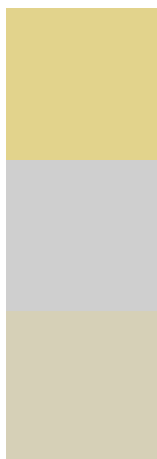
## Deuteranomaly

64.6404, 0.3912, 0.3976

## Tritanomaly

64.4926, 0.3457, 0.3467

# Monochromacy



## Original Color

64.6507, 0.3754, 0.4087

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.8268, 0.3353, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6507, 0.3754, 0.4087 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(226, 211, 140)` looks like.

```
.text, #text, p{  
    color:rgb(226, 211, 140)  
}
```

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(226, 211, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 211, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6507, 0.3754, 0.4087 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(226, 211, 140) }
```

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

```
.border{ border-color:rgb(226, 211, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 211, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 211, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 211, 140);  
box-shadow:4px 4px 4px 4px rgb(226, 211,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6507, 0.3754, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 211, 140) }
```

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

```
.background{ background-color: rgb(226,  
211, 140) }
```

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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