

# Converting Colors

Yxy(64.9064, 0.3914, 0.4247)

Have a look what the booklet for  
Yxy(64.9064, 0.3914, 0.4247)  
contains.

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# Color

**Yxy(65.0075, 0.3911, 0.4250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7D37B
RGB	231, 211, 123
RGB Percent	91%, 83%, 48%
CMY	0.0941, 0.1725, 0.5177
CMYK	0.00, 0.09, 0.47, 0.09
HSL	49°, 69%, 69%
HSV	49°, 47%, 91%
XYZ	59.8222, 65.0075, 28.1291
YIQ	206.9480, 40.1680, -23.1280

# Conversions

## Conversions Part 2

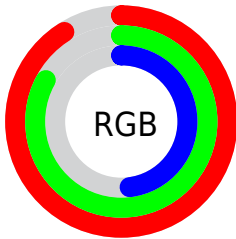
Format	Color
<a href="#">RYB</a>	<a href="#">148, 231, 123</a>
Decimal	<a href="#">15192955</a>
CIELab	<a href="#">84.49, -4.64, 45.88</a>
CIELCh	<a href="#">84, 46.110, 95.778</a>
Yxy	<a href="#">65.0075, 0.3911, 0.4250</a>
Android (android.graphics.Color)	<a href="#">4293383035 (0xFFE7D37B)</a>
YUV	<a href="#">206.9480, -41.3864, 21.0936</a>
Hunter-Lab	<a href="#">80.6272, -8.6578, 35.7540</a>

# Details

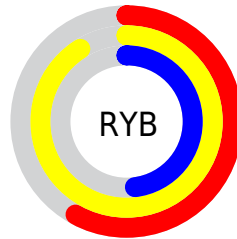
The Yxy color **65.0075, 0.3911, 0.4250** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.6162, 0.2288, 0.2091**, and the grayscale version is **62.6144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **33.4661, 0.4066, 0.4467** is the 20% darker color. If you saturate the color by 10%, you get **62.4030, 0.4079, 0.4428**, and if you desaturate by 10%, it is **67.8110, 0.3736, 0.4052**.

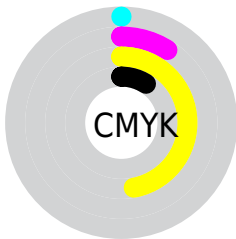
# Distribution



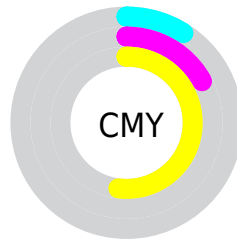
- Red (91%)
- Green (83%)
- Blue (48%)



- Red (58%)
- Yellow (91%)
- Blue (48%)



- Cyan (0%)
- Magenta (9%)
- Yellow (47%)
- Black (9%)




- Cyan (9%)
- Magenta (17%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0075, 0.3911, 0.4250 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 65.0075, 0.3911, 0.4250 by changing the saturation by 10% instead.





 65.0075, 0.3911,  
0.4250

 65.0075, 0.3911,  
0.4250


442.8189, 0.3556,  
0.3806

 47.4672, 0.3987,  
0.4348


 112.0606, 0.3791,  
0.4098

 33.4051, 0.4076,  
0.4465

 142.3422, 0.3744,  
0.4038

 22.4370, 0.4182,  
0.4608


 177.6397, 0.3702,  
0.3986

 14.1783, 0.4305,  
0.4780

218.3374, 0.3666,  
0.3941

 8.2448, 0.4441,  
0.4985

264.8198, 0.3633,  
0.3901

 4.2520, 0.4671,  
0.5329

317.4713, 0.3605,

 1.8155, 0.4604,

0.3865

0.5396

376.6762, 0.3579,  
0.3834

0.4968, 0.4194,  
0.5806

0.0000, 0.0000,  
0.0000

65.0075, 0.3911,  
0.4250

65.0075, 0.3911,  
0.4250

62.4030, 0.4079,  
0.4428

67.8110, 0.3736,  
0.4052

59.9782, 0.4234,  
0.4574


70.8137, 0.3561,  
0.3843


57.7247, 0.4366,  
0.4681


74.0270, 0.3391,  
0.3632


55.6291, 0.4472,  
0.4741

77.4589, 0.3230,  
0.3425


 53.6745, 0.4547,  
0.4755


 81.1167, 0.3080,  
0.3227

 53.0619, 0.4569,  
0.4754

 84.5759, 0.2980,  
0.3105

 87.0758, 0.2981,  
0.3148

 89.6351, 0.2981,  
0.3192

 92.2541, 0.2981,  
0.3235

# Harmonies

## Analogous

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



65.0075, 0.4232, 0.3916



65.0075, 0.3911, 0.4250



65.0075, 0.3395, 0.4331

# Triad

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



65.0075, 0.3911, 0.4250



65.0075, 0.2129, 0.2937



65.0075, 0.3355, 0.2673

# Complementary

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



65.0075, 0.3911, 0.4250



29.6162, 0.2288, 0.2091

# 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.



65.0075, 0.2781, 0.2441



65.0075, 0.3911, 0.4250



65.0075, 0.2120, 0.2550

# Square

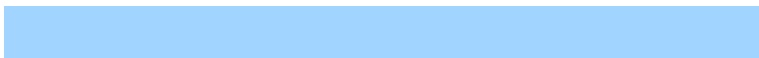
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.0075, 0.3911, 0.4250



65.0075, 0.2377, 0.3499



65.0075, 0.2345, 0.2390



65.0075, 0.3909, 0.3040



# Rectangle

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



65.0075, 0.3911, 0.4250



65.0075, 0.3016, 0.4183



65.0075, 0.2345, 0.2390



65.0075, 0.3156, 0.2578

# Sweetspot

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



65.0105, 0.3911, 0.4250



93.7678, 0.3347, 0.3576



33.1827, 0.4141, 0.3046



19.8751, 0.3382, 0.3621



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.



65.0105, 0.3911, 0.4250



78.2392, 0.4072, 0.4420



70.6643, 0.3570, 0.4538



16.3398, 0.3272, 0.3480



29.9194, 0.4562, 0.4760



2.3289, 0.4498, 0.4810



# Inverse Universe

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



29.6162, 0.2288, 0.2091



29.0341, 0.2103, 0.1799



26.9395, 0.2489, 0.1911



14.3164, 0.2980, 0.3092



4.3238, 0.1549, 0.0776



0.4439, 0.1619, 0.1026



# Previews

## White Background



This preview shows how the Yxy color 65.0075, 0.3911, 0.4250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

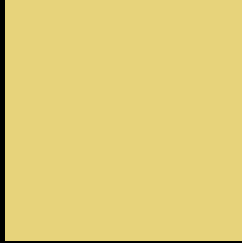
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0075, 0.3911, 0.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

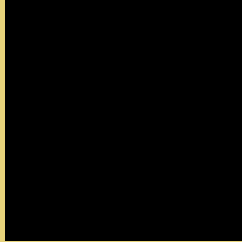
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.0075, 0.3911, 0.4250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.0075, 0.3911, 0.4250.



This preview shows how white text looks on a background with the Yxy color 65.0075, 0.3911, 0.4250.

# 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

65.0075, 0.3911, 0.4250

### Protanopia

65.0075, 0.3911, 0.4250

### Deuteranopia

65.0596, 0.4120, 0.4046



## Tritanopia

64.7917, 0.3323, 0.3121

# Trichromacy



## Original Color

65.0075, 0.3911, 0.4250

## Protanomaly

65.0075, 0.3911, 0.4250

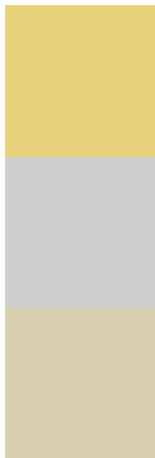
## Deuteranomaly

64.7618, 0.4045, 0.4118

## Tritanomaly

64.5677, 0.3553, 0.3532

# Monochromacy



## Original Color

65.0075, 0.3911, 0.4250

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.8453, 0.3420, 0.3661

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0075, 0.3911, 0.4250 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(231, 211, 123)` looks like.

```
.text, #text, p{  
    color:rgb(231, 211, 123)  
}
```

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(231, 211, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 211, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0075, 0.3911, 0.4250 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(231, 211, 123) }
```

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

```
.border{ border-color:rgb(231, 211, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 211, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 211, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 211, 123);  
box-shadow:4px 4px 4px 4px rgb(231, 211,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0075, 0.3911, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 211, 123) }
```

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

```
.background{ background-color: rgb(231,  
211, 123) }
```

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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