

# Converting Colors

$Y_{xy}(44.2133, 0.4411, 0.4018)$

Have a look what the booklet for  
Yxy(44.2133, 0.4411, 0.4018)  
contains.

<b>Yxy(44.2133, 0.4411, 0.4018)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.2133, 0.4411, 0.4018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8A361
RGB	232, 163, 97
RGB Percent	91%, 64%, 38%
CMY	0.0901, 0.3608, 0.6196
CMYK	0.00, 0.30, 0.58, 0.09
HSL	29°, 75%, 65%
HSV	29°, 58%, 91%
XYZ	48.5378, 44.2133, 17.2870
YIQ	176.1070, 62.3100, -5.8980

# Conversions

## Conversions Part 2

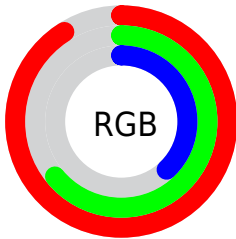
Format	Color
R <sub>Y</sub> B	232, 226, 97
Decimal	15246177
CIE Lab	72.37, 18.74, 44.07
CIE LCh	72, 47.888, 66.956
Yxy	44.2133, 0.4411, 0.4018
Android (android.graphics.Color)	4293436257 (0xFFE8A361)
YUV	176.1070, -38.9998, 49.0182
Hunter-Lab	66.4931, 13.9363, 31.1308

# Details

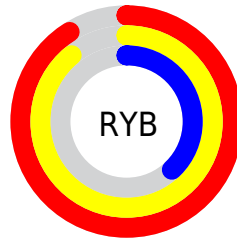
The Yxy color **44.2133, 0.4411, 0.4018** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.6513, 0.2205, 0.2372**, and the grayscale version is **43.6597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5727, 0.3895, 0.3995**, and **20.4665, 0.4745, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **39.8277, 0.4694, 0.4099**, and if you desaturate by 10%, it is **49.1249, 0.4136, 0.3908**.

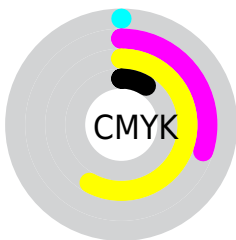
# Distribution



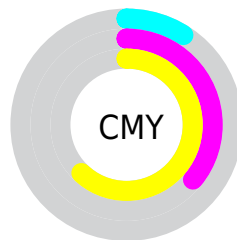
- Red (91%)
- Green (64%)
- Blue (38%)



- Red (91%)
- Yellow (89%)
- Blue (38%)



- Cyan (0%)
- Magenta (30%)
- Yellow (58%)
- Black (9%)




- Cyan (9%)
- Magenta (36%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2133, 0.4411, 0.4018 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 44.2133, 0.4411, 0.4018 by changing the saturation by 10% instead.




 44.2133, 0.4411,  
0.4018

 44.2133, 0.4411,  
0.4018


363.5780, 0.3775,  
0.3695

 30.8382, 0.4560,  
0.4080


 81.5386, 0.4185,  
0.3913

 20.4757, 0.4743,  
0.4148


 106.2576, 0.4099,  
0.3870

 12.7413, 0.4970,  
0.4215


 135.5268, 0.4025,  
0.3832

 7.2506, 0.5250,  
0.4267

 169.7304, 0.3961,  
0.3798

 3.6193, 0.5674,  
0.4326

209.2530, 0.3905,  
0.3768

 1.4630, 0.5932,  
0.4068

254.4788, 0.3857,

 0.2625, 0.7293,

0.3741

0.2707

305.7924, 0.3814,  
0.3717

0.0000, 0.0000,  
0.0000

44.2133, 0.4411,  
0.4018

44.2133, 0.4411,  
0.4018

39.8277, 0.4694,  
0.4099

49.1249, 0.4136,  
0.3908

35.9393, 0.4969,  
0.4139

54.5763, 0.3880,  
0.3782

32.5257, 0.5218,  
0.4126

60.5887, 0.3647,  
0.3650

29.5559, 0.5426,  
0.4060

67.1801, 0.3440,  
0.3517

29.0593, 0.5462,  
0.4045

74.3674, 0.3259,  
0.3389

■ 82.1668, 0.3100,  
0.3269

■ 90.3056, 0.2987,  
0.3200

■ 95.8984, 0.2988,  
0.3290

# Harmonies

## Analogous

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



44.2133, 0.4448, 0.3512



44.2133, 0.4411, 0.4018



44.2133, 0.4012, 0.4420

# Triad

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



44.2133, 0.4411, 0.4018



44.2133, 0.2232, 0.3502



44.2133, 0.2741, 0.2317

# Complementary

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



44.2133, 0.4411, 0.4018



35.6513, 0.2205, 0.2372

# 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.



44.2133, 0.2233, 0.2245



44.2133, 0.4411, 0.4018



44.2133, 0.1964, 0.2839

# Square

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



44.2133, 0.4411, 0.4018



44.2133, 0.2748, 0.4181



44.2133, 0.1968, 0.2410



44.2133, 0.3418, 0.2589



# Rectangle

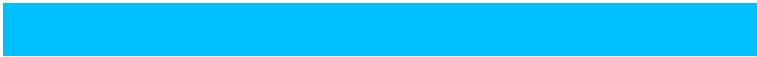
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.2133, 0.4411, 0.4018



44.2133, 0.3618, 0.4539



44.2133, 0.1968, 0.2410



44.2133, 0.2547, 0.2269

# Sweetspot

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



44.2155, 0.4411, 0.4018



84.1824, 0.3419, 0.3503



28.4909, 0.3953, 0.2530



17.6494, 0.3458, 0.3529



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.



44.2155, 0.4411, 0.4018



48.2495, 0.4755, 0.4112



74.4850, 0.3967, 0.4641



15.5252, 0.3280, 0.3405



16.3808, 0.5436, 0.4066



1.3960, 0.5207, 0.4248



# Inverse Universe

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



35.6513, 0.2205, 0.2372



36.6910, 0.2042, 0.2139



17.3420, 0.2003, 0.1448



15.0993, 0.2981, 0.3172



10.7599, 0.1783, 0.1619



0.9810, 0.1855, 0.1879



# Previews

## White Background



This preview shows how the Yxy color 44.2133, 0.4411, 0.4018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

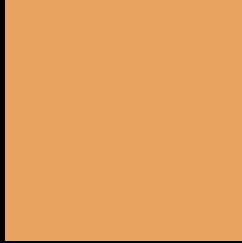
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.2133, 0.4411, 0.4018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

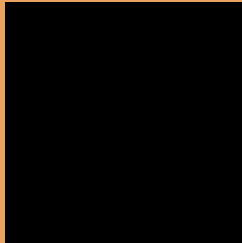
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.2133, 0.4411, 0.4018**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2133, 0.4411, 0.4018.



This preview shows how white text looks on a background with the Yxy color 44.2133, 0.4411, 0.4018.

# 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

44.2133, 0.4411, 0.4018

### Protanopia

44.4022, 0.3917, 0.4261

### Deuteranopia

44.4994, 0.4237, 0.4153



## Tritanopia

44.2004, 0.3837, 0.3168

# Trichromacy



**Original Color**

44.2133, 0.4411, 0.4018

**Protanomaly**

44.2171, 0.4089, 0.4180

**Deuteranomaly**

44.1699, 0.4305, 0.4102

**Tritanomaly**

44.0390, 0.4060, 0.3486

# Monochromacy



**Original Color**

44.2133, 0.4411, 0.4018

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.9682, 0.3573, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2133, 0.4411, 0.4018 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, 163, 97)` looks like.

```
.text, #text, p{  
    color:rgb(232, 163, 97)  
}
```

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, 163, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 163, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2133, 0.4411, 0.4018 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, 163, 97) }
```

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

```
.border{ border-color:rgb(232, 163, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 163, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 163, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 163, 97);  
box-shadow:4px 4px 4px 4px rgb(232, 163,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2133, 0.4411, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 163, 97) }
```

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

```
.background{ background-color: rgb(232,  
163, 97) }
```

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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