

# Converting Colors

$Yxy(41.8977, 0.4372, 0.4084)$

Have a look what the booklet for  
Yxy(41.8977, 0.4372, 0.4084)  
contains.

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# Color

**Yxy(41.7920, 0.4374, 0.4080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEA15C
RGB	222, 161, 92
RGB Percent	87%, 63%, 36%
CMY	0.1294, 0.3686, 0.6391
CMYK	0.00, 0.27, 0.59, 0.13
HSL	32°, 66%, 62%
HSV	32°, 59%, 87%
XYZ	44.8035, 41.7920, 15.8359
YIQ	171.3730, 58.5050, -8.5270

# Conversions

## Conversions Part 2

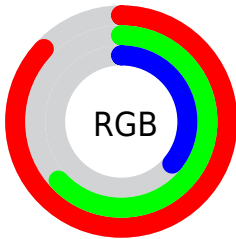
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 222, 92
Decimal	14590300
CIE Lab	70.73, 15.31, 44.35
CIE LCh	71, 46.919, 70.961
Yxy	41.7920, 0.4374, 0.4080
Android (android.graphics.Color)	4292780380 (0xFFDEA15C)
YUV	171.3730, -39.1309, 44.3999
Hunter-Lab	64.6467, 10.5778, 30.7290

# Details

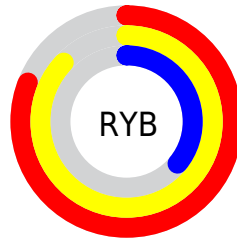
The Yxy color **41.7920, 0.4374, 0.4080** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **30.3440, 0.2184, 0.2285**, and the grayscale version is **41.1031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3854, 0.3939, 0.4025**, and **18.8982, 0.4697, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **37.9694, 0.4637, 0.4170**, and if you desaturate by 10%, it is **46.0360, 0.4115, 0.3962**.

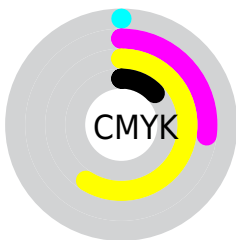
# Distribution



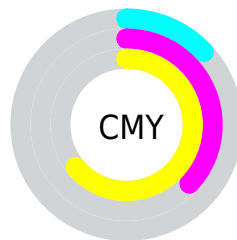
- Red (87%)
- Green (63%)
- Blue (36%)



- Red (81%)
- Yellow (87%)
- Blue (36%)



- Cyan (0%)
- Magenta (27%)
- Yellow (59%)
- Black (13%)




- Cyan (13%)
- Magenta (37%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7920, 0.4374, 0.4080 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 41.7920, 0.4374, 0.4080 by changing the saturation by 10% instead.





 41.7920, 0.4374,  
0.4080


 41.7920, 0.4374,  
0.4080


353.6200, 0.3753,  
0.3720

 28.9385, 0.4520,  
0.4152


 77.8847, 0.4153,  
0.3961

 19.0343, 0.4699,  
0.4232


 101.8927, 0.4069,  
0.3913

 11.6950, 0.4919,  
0.4314


 130.3876, 0.3996,  
0.3870

 6.5364, 0.5202,  
0.4393

 163.7539, 0.3934,  
0.3833

 3.1739, 0.5563,  
0.4437

202.3758, 0.3880,  
0.3800

 1.2232, 0.5802,  
0.4198

246.6379, 0.3833,

 0.0805, 0.8483,

0.3770

0.1517

296.9245, 0.3791,  
0.3744

0.0000, 0.0000,  
0.0000

41.7920, 0.4374,  
0.4080

41.7920, 0.4374,  
0.4080

37.9694, 0.4637,  
0.4170

46.0360, 0.4115,  
0.3962

34.5445, 0.4890,  
0.4217

50.7112, 0.3870,  
0.3826

31.4994, 0.5117,  
0.4213

55.8349, 0.3645,  
0.3683

28.8082, 0.5307,  
0.4157

61.4210, 0.3443,  
0.3540

28.4428, 0.5334,  
0.4147

67.4830, 0.3263,  
0.3402

■ 74.0333, 0.3105,  
0.3272

■ 81.0843, 0.2967,  
0.3150

■ 87.6689, 0.2926,  
0.3181

■ 94.1303, 0.2929,  
0.3287

# Harmonies

## Analogous

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



41.7920, 0.4466, 0.3581



41.7920, 0.4374, 0.4080



41.7920, 0.3938, 0.4455

# Triad

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



41.7920, 0.4374, 0.4080



41.7920, 0.2182, 0.3406



41.7920, 0.2825, 0.2344

# Complementary

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



41.7920, 0.4374, 0.4080



30.3440, 0.2184, 0.2285

# 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.



41.7920, 0.2289, 0.2244



41.7920, 0.4374, 0.4080



41.7920, 0.1951, 0.2767

# Square

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



41.7920, 0.4374, 0.4080



41.7920, 0.2669, 0.4101



41.7920, 0.1991, 0.2374



41.7920, 0.3511, 0.2639



# Rectangle

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



41.7920, 0.4374, 0.4080



41.7920, 0.3531, 0.4539



41.7920, 0.1991, 0.2374



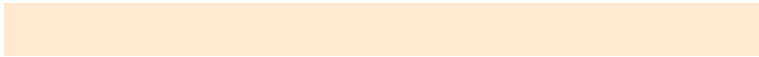
41.7920, 0.2623, 0.2287

# Sweetspot

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



41.7941, 0.4374, 0.4080



84.4053, 0.3435, 0.3535



25.5511, 0.4019, 0.2576



17.5703, 0.3492, 0.3576



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.



41.7941, 0.4374, 0.4080



50.9984, 0.4689, 0.4183



68.2106, 0.3940, 0.4672



14.8987, 0.3279, 0.3415



17.1178, 0.5312, 0.4164



1.3654, 0.5093, 0.4338



# Inverse Universe

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



30.3440, 0.2184, 0.2285



34.0153, 0.2016, 0.2036



15.3229, 0.2007, 0.1420



14.2987, 0.2981, 0.3162



9.2553, 0.1745, 0.1483



0.8196, 0.1826, 0.1773



# Previews

## White Background



This preview shows how the Yxy color 41.7920, 0.4374, 0.4080 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

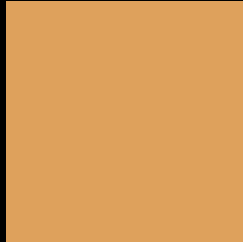
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7920, 0.4374, 0.4080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

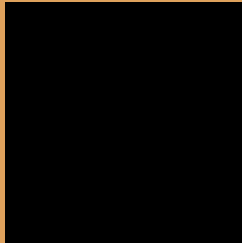
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7920, 0.4374, 0.4080**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.7920, 0.4374, 0.4080.



This preview shows how white text looks on a background with the Yxy color 41.7920, 0.4374, 0.4080.

# 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

41.7920, 0.4374, 0.4080

### Protanopia

41.8080, 0.3955, 0.4290

### Deuteranopia

41.8117, 0.4265, 0.4168



## Tritanopia

41.9568, 0.3777, 0.3164

# Trichromacy



**Original Color**

41.7920, 0.4374, 0.4080

**Protanomaly**

41.7587, 0.4097, 0.4213

**Deuteranomaly**

41.9052, 0.4302, 0.4146

**Tritanomaly**

41.7807, 0.4013, 0.3505

# Monochromacy



**Original Color**

41.7920, 0.4374, 0.4080

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

40.5376, 0.3573, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7920, 0.4374, 0.4080 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(222, 161, 92)` looks like.

```
.text, #text, p{  
    color:rgb(222, 161, 92)  
}
```

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(222, 161, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 161, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7920, 0.4374, 0.4080 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(222, 161, 92) }
```

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

```
.border{ border-color:rgb(222, 161, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 161, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 161, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 161, 92);  
box-shadow:4px 4px 4px 4px rgb(222, 161,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7920, 0.4374, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 161, 92) }
```

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

```
.background{ background-color: rgb(222,  
161, 92) }
```

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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