

# Converting Colors

$Yxy(48.4482, 0.4355, 0.4452)$

Have a look what the booklet for  
Yxy(48.4482, 0.4355, 0.4452)  
contains.

<b>Yxy(48.4825, 0.4349, 0.4457)</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(48.4825, 0.4349, 0.4457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDB448
RGB	221, 180, 72
RGB Percent	87%, 71%, 28%
CMY	0.1334, 0.2941, 0.7178
CMYK	0.00, 0.19, 0.67, 0.13
HSL	43°, 69%, 57%
HSV	43°, 67%, 87%
XYZ	47.3077, 48.4825, 12.9881
YIQ	179.9470, 59.1040, -24.8960

# Conversions

## Conversions Part 2

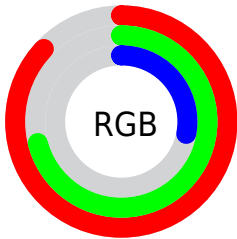
Format	Color
<b>RYB</b>	129, 221, 72
Decimal	14529608
CIELab	75.13, 3.45, 58.67
CIELCh	75, 58.767, 86.630
Yxy	48.4825, 0.4349, 0.4457
Android (android.graphics.Color)	4292719688 (0xFFDDB448)
YUV	179.9470, -53.2179, 36.0035
Hunter-Lab	69.6294, -0.5747, 37.6811

# Details

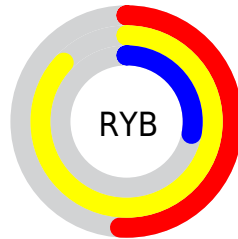
The Yxy color **48.4825, 0.4349, 0.4457** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **18.3947, 0.1951, 0.1660**, and the grayscale version is **45.8782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7316, 0.3963, 0.4375**, and **23.1439, 0.4590, 0.4684** is the 20% darker color. If you saturate the color by 10%, you get **45.8460, 0.4515, 0.4548**, and if you desaturate by 10%, it is **51.3349, 0.4165, 0.4326**.

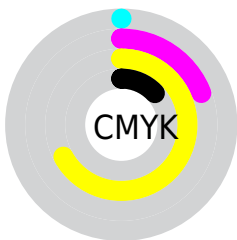
# Distribution



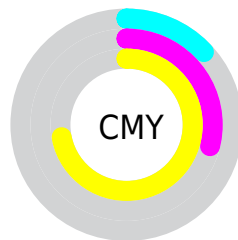
- Red (87%)
- Green (71%)
- Blue (28%)



- Red (51%)
- Yellow (87%)
- Blue (28%)



- Cyan (0%)
- Magenta (19%)
- Yellow (67%)
- Black (13%)



- Cyan (13%)
- Magenta (29%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4825, 0.4349, 0.4457 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 48.4825, 0.4349, 0.4457 by changing the saturation by 10% instead.





 48.4825, 0.4349,  
0.4457

 48.4825, 0.4349,  
0.4457


380.7015, 0.3782,  
0.3927


 34.2091, 0.4466,  
0.4562


 87.9224, 0.4160,  
0.4283


 23.0543, 0.4599,  
0.4678


 113.8577, 0.4083,  
0.4212


 14.6336, 0.4744,  
0.4800


 144.4491, 0.4016,  
0.4149

 8.5627, 0.4951,  
0.4972

 180.0810, 0.3958,  
0.4094

 4.4570, 0.5018,  
0.4982

 221.1378, 0.3906,  
0.4045

 1.9324, 0.5064,  
0.4936

268.0039, 0.3860,

 0.5677, 0.5236,

0.4001

0.4764

321.0636, 0.3819,  
0.3962

0.0000, 0.0000,  
0.0000

48.4825, 0.4349,  
0.4457

48.4825, 0.4349,  
0.4457

45.8460, 0.4515,  
0.4548

51.3349, 0.4165,  
0.4326

43.4053, 0.4654,  
0.4591

54.4075, 0.3971,  
0.4166

41.1456, 0.4762,  
0.4586

57.7127, 0.3776,  
0.3986

40.5890, 0.4788,  
0.4580

61.2598, 0.3587,  
0.3797

65.0573, 0.3408,  
0.3608

■ 69.1132, 0.3242,  
0.3422

■ 73.4350, 0.3090,  
0.3246

■ 78.0298, 0.2952,  
0.3080

■ 81.8408, 0.2917,  
0.3081

# Harmonies

## Analogous

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



48.4825, 0.4709, 0.3908



48.4825, 0.4349, 0.4457



48.4825, 0.3688, 0.4778

# Triad

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



48.4825, 0.4349, 0.4457



48.4825, 0.1844, 0.2984



48.4825, 0.3175, 0.2346

# Complementary

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



48.4825, 0.4349, 0.4457



18.3947, 0.1951, 0.1660

# 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.



48.4825, 0.2435, 0.2109



48.4825, 0.4349, 0.4457



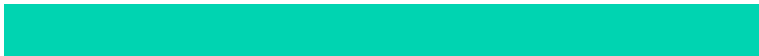
48.4825, 0.1751, 0.2383

# Square

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



48.4825, 0.4349, 0.4457



48.4825, 0.2247, 0.3841



48.4825, 0.1950, 0.2107



48.4825, 0.4003, 0.2774



# Rectangle

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



48.4825, 0.4349, 0.4457



48.4825, 0.3174, 0.4718



48.4825, 0.1950, 0.2107



48.4825, 0.2907, 0.2244

# Sweetspot

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



48.4848, 0.4349, 0.4457



88.5151, 0.3455, 0.3659



21.2201, 0.4715, 0.2844



18.6255, 0.3506, 0.3713



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.



48.4848, 0.4349, 0.4457



61.9550, 0.4577, 0.4572



62.9589, 0.3785, 0.4971



14.6268, 0.3274, 0.3459



23.7783, 0.4776, 0.4590



1.6817, 0.4660, 0.4682



# Inverse Universe

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



18.3947, 0.1951, 0.1660



18.0143, 0.1751, 0.1294



12.8078, 0.2036, 0.1235



13.1971, 0.2981, 0.3115



5.1210, 0.1597, 0.0948



0.4748, 0.1686, 0.1270



# Previews

## White Background



This preview shows how the Yxy color 48.4825, 0.4349, 0.4457 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 48.4825, 0.4349, 0.4457 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 48.4825, 0.4349, 0.4457**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4825, 0.4349, 0.4457.



This preview shows how white text looks on a background with the Yxy color 48.4825, 0.4349, 0.4457.

# 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

48.4825, 0.4349, 0.4457

### Protanopia

48.3141, 0.4161, 0.4565

### Deuteranopia

48.3547, 0.4457, 0.4366



## Tritanopia

48.4113, 0.3566, 0.3142

# Trichromacy



**Original Color**

48.4825, 0.4349, 0.4457

**Protanomaly**

48.1969, 0.4228, 0.4528

**Deuteranomaly**

48.2562, 0.4422, 0.4390

**Tritanomaly**

48.0089, 0.3897, 0.3655

# Monochromacy



**Original Color**

48.4825, 0.4349, 0.4457

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

46.1677, 0.3588, 0.3796

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4825, 0.4349, 0.4457 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(221, 180, 72)` looks like.

```
.text, #text, p{  
    color:rgb(221, 180, 72)  
}
```

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(221, 180, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 180, 72) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4825, 0.4349, 0.4457 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(221, 180, 72) }
```

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

```
.border{ border-color:rgb(221, 180, 72) }
```

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

Here you see how a box with a 4 pixel rgb(221, 180, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 180, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 180, 72);  
box-shadow:4px 4px 4px 4px rgb(221, 180,  
72) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4825, 0.4349, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 180, 72) }
```

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

```
.background{ background-color: rgb(221,  
180, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor