

# Converting Colors

$Y_{xy}(42.6694, 0.4518, 0.4412)$

Have a look what the booklet for  
Yxy(42.6694, 0.4518, 0.4412)  
contains.

<b>Yxy(42.6694, 0.4518, 0.4412)</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(42.6694, 0.4518, 0.4412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBA63D
RGB	219, 166, 61
RGB Percent	86%, 65%, 24%
CMY	0.1411, 0.3490, 0.7608
CMYK	0.00, 0.24, 0.72, 0.14
HSL	40°, 69%, 55%
HSV	40°, 72%, 86%
XYZ	43.6945, 42.6694, 10.3482
YIQ	169.8770, 65.2930, -21.4190

# Conversions

## Conversions Part 2

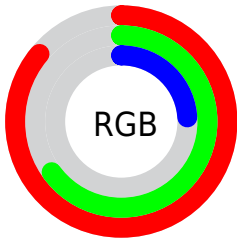
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 219, 61
Decimal	14394941
CIELab	71.33, 9.47, 59.30
CIELCh	71, 60.050, 80.926
Yxy	42.6694, 0.4518, 0.4412
Android (android.graphics.Color)	4292585021 (0xFFDBA63D)
YUV	169.8770, -53.6764, 43.0809
Hunter-Lab	65.3218, 5.0876, 36.3326

# Details

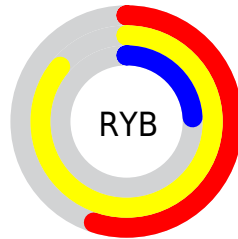
The Yxy color **42.6694, 0.4518, 0.4412** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.1454, 0.1914, 0.1675**, and the grayscale version is **40.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1878, 0.4105, 0.4342**, and **19.5082, 0.4804, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **39.8861, 0.4698, 0.4470**, and if you desaturate by 10%, it is **45.7059, 0.4317, 0.4309**.

# Distribution



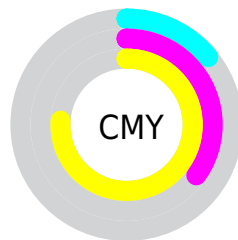
- Red (86%)
- Green (65%)
- Blue (24%)



- Red (55%)
- Yellow (86%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (72%)
- Black (14%)



- Cyan (14%)
- Magenta (35%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6694, 0.4518, 0.4412 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 42.6694, 0.4518, 0.4412 by changing the saturation by 10% instead.





 42.6694, 0.4518,  
0.4412

 42.6694, 0.4518,  
0.4412


357.2504, 0.3858,  
0.3912

 29.6258, 0.4656,  
0.4504


 79.2117, 0.4295,  
0.4252


 19.5547, 0.4814,  
0.4600


 103.4793, 0.4205,  
0.4185


 12.0718, 0.4988,  
0.4688


 132.2569, 0.4128,  
0.4126

 6.7926, 0.5213,  
0.4787

 165.9290, 0.4060,  
0.4073

 3.3327, 0.5302,  
0.4698

 204.8801, 0.4000,  
0.4026

 1.3078, 0.5452,  
0.4548

249.4944, 0.3947,

 0.1472, 0.7160,

0.3984

0.2840

300.1563, 0.3900,  
0.3946

0.0000, 0.0000,  
0.0000

42.6694, 0.4518,  
0.4412

42.6694, 0.4518,  
0.4412

39.8861, 0.4698,  
0.4470

45.7059, 0.4317,  
0.4309

37.3346, 0.4849,  
0.4477

49.0021, 0.4105,  
0.4172

35.4762, 0.4948,  
0.4453

52.5717, 0.3894,  
0.4012

56.4252, 0.3689,  
0.3840

60.5723, 0.3497,  
0.3664

■ 65.0220, 0.3320,  
0.3491

■ 69.7829, 0.3160,  
0.3325

■ 74.8632, 0.3015,  
0.3168

■ 80.0683, 0.2904,  
0.3053

# Harmonies

## Analogous

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



42.6694, 0.4826, 0.3809



42.6694, 0.4518, 0.4412



42.6694, 0.3858, 0.4840

# Triad

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



42.6694, 0.4518, 0.4412



42.6694, 0.1825, 0.3116



42.6694, 0.3010, 0.2231

# Complementary

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



42.6694, 0.4518, 0.4412



18.1454, 0.1914, 0.1675

# 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.



42.6694, 0.2273, 0.2025



42.6694, 0.4518, 0.4412



42.6694, 0.1672, 0.2417

# Square

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



42.6694, 0.4518, 0.4412



42.6694, 0.2306, 0.4058



42.6694, 0.1823, 0.2071



42.6694, 0.3898, 0.2644



# Rectangle

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



42.6694, 0.4518, 0.4412



42.6694, 0.3323, 0.4869



42.6694, 0.1823, 0.2071



42.6694, 0.2736, 0.2137

# Sweetspot

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



42.6715, 0.4518, 0.4412



85.4728, 0.3498, 0.3665



19.6679, 0.4708, 0.2719



17.9432, 0.3549, 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.



42.6715, 0.4518, 0.4412



54.2440, 0.4787, 0.4481



62.6492, 0.3890, 0.4998



14.4896, 0.3275, 0.3445



21.2428, 0.4934, 0.4464



1.5326, 0.4783, 0.4584



# Inverse Universe

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



18.1454, 0.1914, 0.1675



18.1824, 0.1726, 0.1308



10.3706, 0.1881, 0.1073



13.3275, 0.2981, 0.3130



6.0764, 0.1637, 0.1093



0.5495, 0.1729, 0.1423



# Previews

## White Background



This preview shows how the Yxy color 42.6694, 0.4518, 0.4412 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 42.6694, 0.4518, 0.4412 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 42.6694, 0.4518, 0.4412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.6694, 0.4518, 0.4412.



This preview shows how white text looks on a background with the Yxy color 42.6694, 0.4518, 0.4412.

# 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

42.6694, 0.4518, 0.4412

### Protanopia

42.6322, 0.4194, 0.4612

### Deuteranopia

42.6694, 0.4518, 0.4412



## Tritanopia

42.4015, 0.3720, 0.3151

# Trichromacy



**Original Color**

42.6694, 0.4518, 0.4412

**Protanomaly**

42.7013, 0.4311, 0.4540

**Deuteranomaly**

42.6694, 0.4518, 0.4412

**Tritanomaly**

42.0428, 0.4069, 0.3661

# Monochromacy



**Original Color**

42.6694, 0.4518, 0.4412

**Achromatopsia**

40.1978, 0.3127, 0.3290

**Achromatomaly**

40.6790, 0.3656, 0.3818

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.6694, 0.4518, 0.4412 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(219, 166, 61)` looks like.

```
.text, #text, p{  
    color:rgb(219, 166, 61)  
}
```

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(219, 166, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 166, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 42.6694, 0.4518, 0.4412 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(219, 166, 61) }
```

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

```
.border{ border-color:rgb(219, 166, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 166, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 166, 61); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 166, 61); box-shadow:4px 4px 4px 4px rgb(219, 166, 61) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.6694, 0.4518, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 166, 61) }
```

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

```
.background{ background-color: rgb(219,  
166, 61) }
```

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