

# Converting Colors

$Yxy(65.2718, 0.3676, 0.4154)$

Have a look what the booklet for  
Yxy(65.2718, 0.3676, 0.4154)  
contains.

<b>Yxy(65.3704, 0.3681, 0.4157)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(65.3704, 0.3681, 0.4157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAD78B
RGB	218, 215, 139
RGB Percent	85%, 84%, 55%
CMY	0.1449, 0.1569, 0.4548
CMYK	0.00, 0.01, 0.36, 0.14
HSL	58°, 52%, 70%
HSV	58°, 36%, 86%
XYZ	57.8851, 65.3704, 33.9983
YIQ	207.2330, 26.1840, -23.0000

# Conversions

## Conversions Part 2

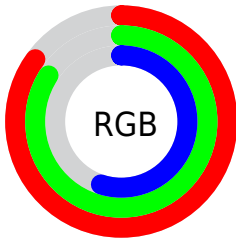
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 218, 139
Decimal	14342027
CIELab	84.67, -10.12, 37.89
CIELCh	85, 39.221, 104.957
Yxy	65.3704, 0.3681, 0.4157
Android (android.graphics.Color)	4292532107 (0xFFDAD78B)
YUV	207.2330, -33.6389, 9.4427
Hunter-Lab	80.8520, -13.6957, 31.6649

# Details

The Yxy color **65.3704, 0.3681, 0.4157** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.9219, 0.2475, 0.2244**, and the grayscale version is **62.7695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **33.5276, 0.3800, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **64.3700, 0.3827, 0.4380**, and if you desaturate by 10%, it is **66.5061, 0.3528, 0.3919**.

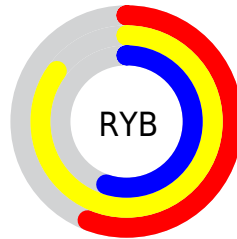
# Distribution



Red (85%)

Green (84%)

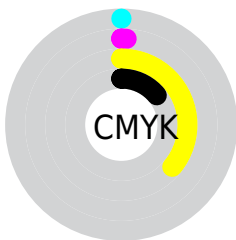
Blue (55%)



Red (56%)

Yellow (85%)

Blue (55%)

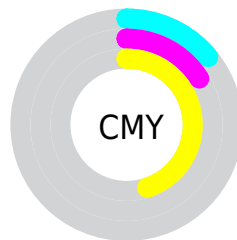


Cyan (0%)

Magenta (1%)

Yellow (36%)

Black (14%)



Cyan (14%)

Magenta (16%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3704, 0.3681, 0.4157 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 65.3704, 0.3681, 0.4157 by changing the saturation by 10% instead.




 65.3704, 0.3681,  
0.4157


 65.3704, 0.3681,  
0.4157


444.1218, 0.3430,  
0.3746

 47.7615, 0.3735,  
0.4252


 112.5822, 0.3596,  
0.4013

 33.6380, 0.3800,  
0.4368


 142.9539, 0.3562,  
0.3958

 22.6157, 0.3877,  
0.4515


 178.3486, 0.3533,  
0.3910

 14.3100, 0.3970,  
0.4702

219.1508, 0.3507,  
0.3868

 8.3366, 0.4077,  
0.4945

265.7448, 0.3485,  
0.3832

 4.3111, 0.4251,  
0.5346

318.5151, 0.3464,

 1.8490, 0.4281,

0.3800

0.5719

377.8459, 0.3446,  
0.3771

0.5175, 0.3211,  
0.6789

0.0000, 0.0000,  
0.0000

65.3704, 0.3681,  
0.4157

65.3704, 0.3681,  
0.4157

64.3700, 0.3827,  
0.4380

66.5061, 0.3528,  
0.3919

63.4883, 0.3958,  
0.4579


67.7751, 0.3372,  
0.3677


62.7200, 0.4070,  
0.4744


69.1869, 0.3220,  
0.3436

62.0555, 0.4158,  
0.4869


70.7475, 0.3073,  
0.3204


 61.4838, 0.4218,  
0.4950


 72.4626, 0.2935,  
0.2985


 60.9909, 0.4253,  
0.4989

 73.3444, 0.2893,  
0.2924

 60.8168, 0.4263,  
0.4997

 73.7881, 0.2894,  
0.2933

 74.2340, 0.2894,  
0.2942

 74.6822, 0.2894,  
0.2951

# Harmonies

## Analogous

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



65.3704, 0.4013, 0.3938



65.3704, 0.3681, 0.4157



65.3704, 0.3215, 0.4123

# Triad

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



65.3704, 0.3681, 0.4157



65.3704, 0.2242, 0.2876



65.3704, 0.3477, 0.2846

# Complementary

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



65.3704, 0.3681, 0.4157



29.9219, 0.2475, 0.2244

# 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.



65.3704, 0.2978, 0.2602



65.3704, 0.3681, 0.4157



65.3704, 0.2297, 0.2595

# Square

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



65.3704, 0.3681, 0.4157



65.3704, 0.2398, 0.3319



65.3704, 0.2554, 0.2508



65.3704, 0.3902, 0.3194



# Rectangle

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



65.3704, 0.3681, 0.4157



65.3704, 0.2895, 0.3936



65.3704, 0.2554, 0.2508



65.3704, 0.3311, 0.2750

# Sweetspot

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



65.3734, 0.3681, 0.4157



97.6334, 0.3293, 0.3552



35.3646, 0.3955, 0.3244



20.8390, 0.3314, 0.3585



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.



65.3734, 0.3681, 0.4157



92.1604, 0.3786, 0.4318



62.0352, 0.3390, 0.4278



15.1730, 0.3268, 0.3512



36.4564, 0.4262, 0.4998



2.3893, 0.4250, 0.5008



# Inverse Universe

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



29.9219, 0.2475, 0.2244



34.9533, 0.2324, 0.2000



32.5997, 0.2768, 0.2285



12.6974, 0.2981, 0.3058



3.1782, 0.1507, 0.0626

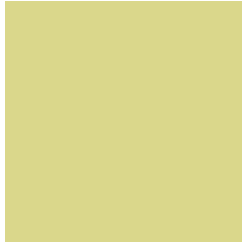


0.2350, 0.1529, 0.0704



# Previews

## White Background



This preview shows how the Yxy color 65.3704, 0.3681, 0.4157 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 65.3704, 0.3681, 0.4157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

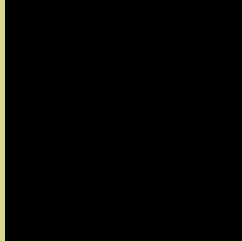
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3704, 0.3681, 0.4157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3704, 0.3681, 0.4157.



This preview shows how white text looks on a background with the Yxy color 65.3704, 0.3681, 0.4157.

# 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

65.3704, 0.3681, 0.4157

### Protanopia

65.2465, 0.3801, 0.4098

### Deuteranopia

65.0767, 0.4001, 0.3915



## Tritanopia

65.3771, 0.3188, 0.3117

# Trichromacy



## Original Color

65.3704, 0.3681, 0.4157

## Protanomaly

65.0907, 0.3764, 0.4118

## Deuteranomaly

65.0740, 0.3879, 0.4003

## Tritanomaly

65.2098, 0.3371, 0.3492

# Monochromacy



## Original Color

65.3704, 0.3681, 0.4157

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.3195, 0.3333, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3704, 0.3681, 0.4157 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(218, 215, 139)` looks like.

```
.text, #text, p{  
    color:rgb(218, 215, 139)  
}
```

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(218, 215, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 215, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3704, 0.3681, 0.4157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

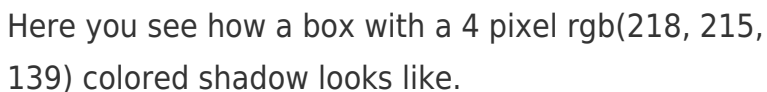
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 215, 139) }
```

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

```
.border{ border-color:rgb(218, 215, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 215, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 215, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 215, 139);  
box-shadow:4px 4px 4px 4px rgb(218, 215,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3704, 0.3681, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 215, 139) }
```

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

```
.background{ background-color: rgb(218,  
215, 139) }
```

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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