

# Converting Colors

Yxy(65.4471, 0.3772, 0.4210)

Have a look what the booklet for  
Yxy(65.4471, 0.3772, 0.4210)  
contains.

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# Color

**Yxy(65.4471, 0.3772, 0.4210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFD684
RGB	223, 214, 132
RGB Percent	87%, 84%, 52%
CMY	0.1256, 0.1607, 0.4824
CMYK	0.00, 0.04, 0.41, 0.13
HSL	54°, 59%, 70%
HSV	54°, 41%, 87%
XYZ	58.6381, 65.4471, 31.3711
YIQ	207.3430, 31.6860, -23.5940

# Conversions

## Conversions Part 2

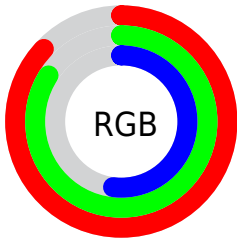
Format	Color
<b>RYB</b>	142, 223, 132
Decimal	14669444
CIELab	84.71, -8.46, 41.55
CIELCh	85, 42.402, 101.512
Yxy	65.4471, 0.3772, 0.4210
Android (android.graphics.Color)	4292859524 (0xFFDFD684)
YUV	207.3430, -37.1441, 13.7312
Hunter-Lab	80.8994, -12.1922, 33.6382

# Details

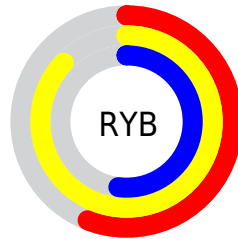
The Yxy color **65.4471, 0.3772, 0.4210** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.2724, 0.2390, 0.2162**, and the grayscale version is **62.8586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **33.4973, 0.3906, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **63.7984, 0.3925, 0.4415**, and if you desaturate by 10%, it is **67.2473, 0.3611, 0.3988**.

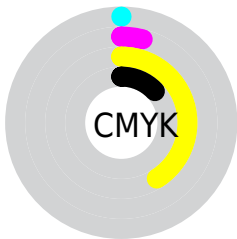
# Distribution



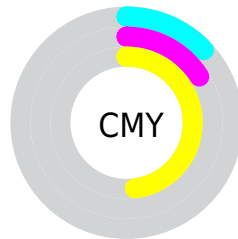
- Red (87%)
- Green (84%)
- Blue (52%)



- Red (56%)
- Yellow (87%)
- Blue (52%)



- Cyan (0%)
- Magenta (4%)
- Yellow (41%)
- Black (13%)



- Cyan (13%)
- Magenta (16%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4471, 0.3772, 0.4210 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 65.4471, 0.3772, 0.4210 by changing the saturation by 10% instead.




 65.4471, 0.3772,  
0.4210


 65.4471, 0.3772,  
0.4210


444.3969, 0.3480,  
0.3777


 47.8237, 0.3834,  
0.4308

 112.6924, 0.3674,  
0.4060

 33.6873, 0.3909,  
0.4428


 143.0831, 0.3634,  
0.4001

 22.6535, 0.3997,  
0.4576


 178.4984, 0.3600,  
0.3951

 14.3378, 0.4101,  
0.4762

219.3226, 0.3570,  
0.3907

 8.3560, 0.4218,  
0.4996

265.9402, 0.3544,  
0.3869

 4.3236, 0.4462,  
0.5445

318.7355, 0.3520,

 1.8562, 0.4381,

0.3835

0.5619

378.0929, 0.3499,  
0.3804

0.5218, 0.3567,  
0.6433

0.0000, 0.0000,  
0.0000

65.4471, 0.3772,  
0.4210

65.4471, 0.3772,  
0.4210

63.7984, 0.3925,  
0.4415

67.2473, 0.3611,  
0.3988

62.2837, 0.4064,  
0.4593


69.1976, 0.3449,  
0.3759

60.8967, 0.4182,  
0.4734

71.3082, 0.3291,  
0.3530


59.6264, 0.4275,  
0.4833


73.5858, 0.3139,  
0.3307


 58.4601, 0.4341,  
0.4888

 76.0365, 0.2997,  
0.3096

 57.4590, 0.4380,  
0.4904

 77.9518, 0.2928,  
0.3003

 79.1631, 0.2928,  
0.3026

 80.3899, 0.2929,  
0.3049

 81.6321, 0.2929,  
0.3072

# Harmonies

## Analogous

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



65.4471, 0.4108, 0.3944



65.4471, 0.3772, 0.4210



65.4471, 0.3279, 0.4216

# Triad

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



65.4471, 0.3772, 0.4210



65.4471, 0.2184, 0.2886



65.4471, 0.3442, 0.2776

# Complementary

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



65.4471, 0.3772, 0.4210



29.2724, 0.2390, 0.2162

# 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.



65.4471, 0.2905, 0.2532



65.4471, 0.3772, 0.4210



65.4471, 0.2218, 0.2565

# Square

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



65.4471, 0.3772, 0.4210



65.4471, 0.2375, 0.3380



65.4471, 0.2469, 0.2451



65.4471, 0.3922, 0.3137



# Rectangle

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



65.4471, 0.3772, 0.4210



65.4471, 0.2931, 0.4037



65.4471, 0.2469, 0.2451



65.4471, 0.3260, 0.2679

# Sweetspot

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



65.4501, 0.3772, 0.4210



96.2743, 0.3311, 0.3559



34.1134, 0.4060, 0.3184



20.5242, 0.3331, 0.3589



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.



65.4501, 0.3772, 0.4210



86.7856, 0.3904, 0.4387



64.9433, 0.3452, 0.4401



15.7865, 0.3270, 0.3499



33.8859, 0.4377, 0.4907



2.4166, 0.4345, 0.4932



# Inverse Universe

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



29.2724, 0.2390, 0.2162



31.4247, 0.2213, 0.1880



30.1972, 0.2669, 0.2132



13.4595, 0.2981, 0.3072



3.5442, 0.1520, 0.0670



0.3208, 0.1569, 0.0846



# Previews

## White Background



This preview shows how the Yxy color 65.4471, 0.3772, 0.4210 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 65.4471, 0.3772, 0.4210 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 65.4471, 0.3772, 0.4210**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.4471, 0.3772, 0.4210.



This preview shows how white text looks on a background with the Yxy color 65.4471, 0.3772, 0.4210.

# 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

65.4471, 0.3772, 0.4210

### Protanopia

65.2161, 0.3857, 0.4169

### Deuteranopia

65.2503, 0.4070, 0.3979



## Tritanopia

65.1500, 0.3243, 0.3118

# Trichromacy



## Original Color

65.4471, 0.3772, 0.4210

## Protanomaly

65.2196, 0.3828, 0.4187

## Deuteranomaly

64.9185, 0.3958, 0.4057

## Tritanomaly

64.8715, 0.3444, 0.3513

# Monochromacy



## Original Color

65.4471, 0.3772, 0.4210

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.5346, 0.3363, 0.3639

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4471, 0.3772, 0.4210 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(223, 214, 132)` looks like.

```
.text, #text, p{  
    color:rgb(223, 214, 132)  
}
```

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(223, 214, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 214, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4471, 0.3772, 0.4210 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(223, 214, 132) }
```

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

```
.border{ border-color:rgb(223, 214, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 214, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 214, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 214, 132); box-shadow:4px 4px 4px 4px rgb(223, 214, 132) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4471, 0.3772, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 214, 132) }
```

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

```
.background{ background-color: rgb(223,  
214, 132) }
```

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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