

# Converting Colors

$Y_{xy}(72.3552, 0.3767, 0.4051)$

Have a look what the booklet for  
Yxy(72.3552, 0.3767, 0.4051)  
contains.

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# Color

**Yxy(72.4081, 0.3766, 0.4057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DD95
RGB	240, 221, 149
RGB Percent	94%, 87%, 58%
CMY	0.0588, 0.1333, 0.4158
CMYK	0.00, 0.08, 0.38, 0.06
HSL	47°, 75%, 76%
HSV	47°, 38%, 94%
XYZ	67.2144, 72.4081, 38.8544
YIQ	218.4730, 34.4360, -18.3640

# Conversions

## Conversions Part 2

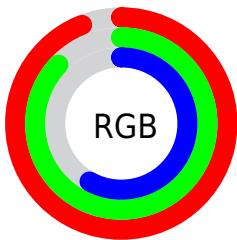
Format	Color
R <sub>Y</sub> B	173, 240, 149
Decimal	15785365
CIE Lab	88.16, -3.52, 37.74
CIE LCh	88, 37.899, 95.334
Yxy	72.4081, 0.3766, 0.4057
Android (android.graphics.Color)	4293975445 (0xFFFF0DD95)
YUV	218.4730, -34.2502, 18.8792
Hunter-Lab	85.0929, -7.9166, 32.4926

# Details

The Yxy color **72.4081, 0.3766, 0.4057** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.6697, 0.2465, 0.2380**, and the grayscale version is **70.6783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **38.2028, 0.3910, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **69.1174, 0.3946, 0.4249**, and if you desaturate by 10%, it is **75.9423, 0.3586, 0.3854**.

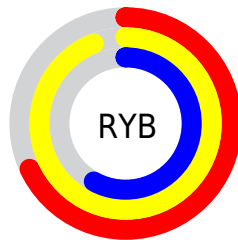
# Distribution



Red (94%)

Green (87%)

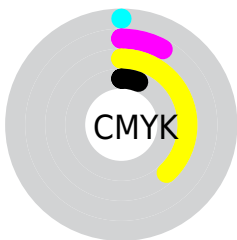
Blue (58%)



Red (68%)

Yellow (94%)

Blue (58%)

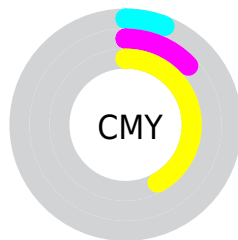


Cyan (0%)

Magenta (8%)

Yellow (38%)

Black (6%)



Cyan (6%)

Magenta (13%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4081, 0.3766, 0.4057 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 72.4081, 0.3766, 0.4057 by changing the saturation by 10% instead.




 72.4081, 0.3766,  
0.4057


 72.4081, 0.3766,  
0.4057


468.9608, 0.3477,  
0.3705

 53.4921, 0.3829,  
0.4135


 122.6366, 0.3668,  
0.3936

 38.1958, 0.3904,  
0.4230


 154.7178, 0.3629,  
0.3889

 26.1347, 0.3996,  
0.4346


191.9563, 0.3595,  
0.3848

 16.9244, 0.4109,  
0.4492

234.7364, 0.3566,  
0.3812

 10.1806, 0.4246,  
0.4676

283.4425, 0.3540,  
0.3780

 5.5189, 0.4414,  
0.4912

338.4590, 0.3517,

 2.5548, 0.4692,

0.3752

0.5308

400.1703, 0.3496,  
0.3727

■ 0.9040, 0.4610,  
0.5390

■ 0.0000, 0.0000,  
0.0000

■ 72.4081, 0.3766,  
0.4057

■ 72.4081, 0.3766,  
0.4057

■ 69.1174, 0.3946,  
0.4249

■ 75.9423, 0.3586,  
0.3854

■ 66.0497, 0.4121,  
0.4420

■ 79.7196, 0.3413,  
0.3647

■ 63.1968, 0.4281,  
0.4559

■ 83.7522, 0.3249,  
0.3445

■ 60.5456, 0.4419,  
0.4656

■ 88.0485, 0.3097,  
0.3251

■ 58.0811, 0.4529,  
0.4707

■ 91.6836, 0.3037,  
0.3202

■ 55.7824, 0.4610,  
0.4711

■ 94.7717, 0.3036,  
0.3251

■ 55.3208, 0.4625,  
0.4709

■ 97.2652, 0.3035,  
0.3290

# Harmonies

## Analogous

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



72.4081, 0.4010, 0.3803



72.4081, 0.3766, 0.4057



72.4081, 0.3358, 0.4106

# Triad

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



72.4081, 0.3766, 0.4057



72.4081, 0.2321, 0.3025



72.4081, 0.3306, 0.2786

# Complementary

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



72.4081, 0.3766, 0.4057



40.6697, 0.2465, 0.2380

# 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.



72.4081, 0.2848, 0.2597



72.4081, 0.3766, 0.4057



72.4081, 0.2309, 0.2705

# Square

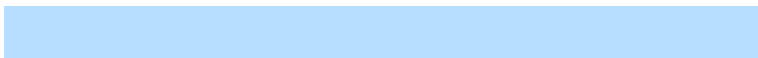
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4081, 0.3766, 0.4057



72.4081, 0.2532, 0.3467



72.4081, 0.2493, 0.2562



72.4081, 0.3741, 0.3089

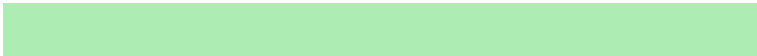


# Rectangle

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



72.4081, 0.3766, 0.4057



72.4081, 0.3054, 0.3987



72.4081, 0.2493, 0.2562



72.4081, 0.3148, 0.2708

# Sweetspot

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



72.4114, 0.3766, 0.4057



94.6461, 0.3298, 0.3507



42.8642, 0.3857, 0.3073



20.1224, 0.3321, 0.3534



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.



72.4114, 0.3766, 0.4057



79.9738, 0.3915, 0.4216



78.8166, 0.3509, 0.4297



17.8664, 0.3273, 0.3476



30.4820, 0.4617, 0.4716



2.6746, 0.4550, 0.4769



# Inverse Universe

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



40.6697, 0.2465, 0.2380



38.4993, 0.2305, 0.2141



36.8636, 0.2622, 0.2192



15.7630, 0.2980, 0.3097



4.8498, 0.1559, 0.0812



0.5423, 0.1623, 0.1043



# Previews

## White Background



This preview shows how the Yxy color 72.4081, 0.3766, 0.4057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

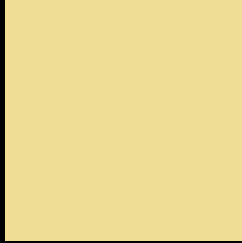
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4081, 0.3766, 0.4057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

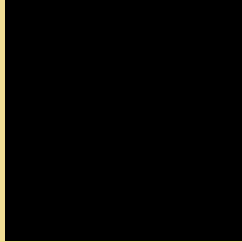
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4081, 0.3766, 0.4057**

## Background



This preview shows how black text looks on a background with the Yxy color 72.4081, 0.3766, 0.4057.



This preview shows how white text looks on a background with the Yxy color 72.4081, 0.3766, 0.4057.

# 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

72.4081, 0.3766, 0.4057

### Protanopia

72.4081, 0.3766, 0.4057

### Deuteranopia

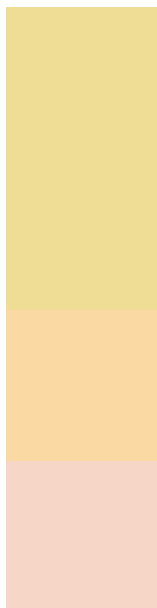
72.2934, 0.3752, 0.3734



## Tritanopia

72.3297, 0.3291, 0.3117

# Trichromacy



## Original Color

72.4081, 0.3766, 0.4057

## Protanomaly

72.4081, 0.3766, 0.4057

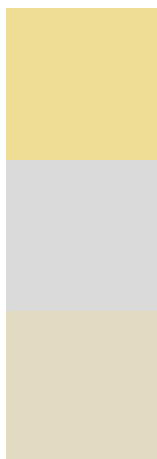
## Deuteranomaly

72.5940, 0.3761, 0.3854

## Tritanomaly

72.3172, 0.3473, 0.3459

# Monochromacy



## Original Color

72.4081, 0.3766, 0.4057

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.6820, 0.3356, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4081, 0.3766, 0.4057 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(240, 221, 149)` looks like.

```
.text, #text, p{  
    color:rgb(240, 221, 149)  
}
```

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(240, 221, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 221, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4081, 0.3766, 0.4057 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(240, 221, 149) }
```

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

```
.border{ border-color:rgb(240, 221, 149) }
```

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

Here you see how a box with a 4 pixel rgb(240, 221, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 221, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 221, 149);  
box-shadow:4px 4px 4px 4px rgb(240, 221,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4081, 0.3766, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 221, 149) }
```

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

```
.background{ background-color: rgb(240,  
221, 149) }
```

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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