

# Converting Colors

$Yxy(61.7828, 0.3796, 0.3766)$

Have a look what the booklet for  
Yxy(61.7828, 0.3796, 0.3766)  
contains.

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# Color

**Yxy(61.7724, 0.3797, 0.3762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C79C
RGB	240, 199, 156
RGB Percent	94%, 78%, 61%
CMY	0.0590, 0.2195, 0.3883
CMYK	0.00, 0.17, 0.35, 0.06
HSL	31°, 74%, 78%
HSV	31°, 35%, 94%
XYZ	62.3471, 61.7724, 40.0815
YIQ	206.3570, 38.2390, -4.6810

# Conversions

## Conversions Part 2

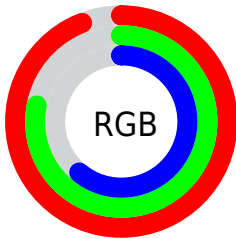
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 240, 156
Decimal	15779740
CIE Lab	82.79, 8.61, 26.99
CIE LCh	83, 28.335, 72.308
Yxy	61.7724, 0.3797, 0.3762
Android (android.graphics.Color)	4293969820 (0xFFFF0C79C)
YUV	206.3570, -24.8260, 29.5049
Hunter-Lab	78.5954, 4.0561, 24.7806

# Details

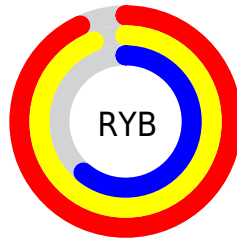
The Yxy color  $61.7724, 0.3797, 0.3762$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $53.2491, 0.2562, 0.2763$ , and the grayscale version is  $62.1046, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.4831, 0.3388, 0.3721$ , and  $31.3176, 0.3974, 0.3870$  is the 20% darker color. If you saturate the color by 10%, you get  $55.8630, 0.4041, 0.3897$ , and if you desaturate by 10%, it is  $68.2619, 0.3576, 0.3623$ .

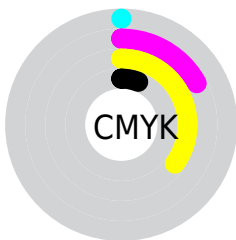
# Distribution



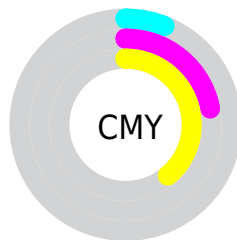
- Red (94%)
- Green (78%)
- Blue (61%)



- Red (93%)
- Yellow (94%)
- Blue (61%)



- Cyan (0%)
- Magenta (17%)
- Yellow (35%)
- Black (6%)



- Cyan (6%)
- Magenta (22%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7724, 0.3797, 0.3762 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 61.7724, 0.3797, 0.3762 by changing the saturation by 10% instead.




 61.7724, 0.3797,  
0.3762


 61.7724, 0.3797,  
0.3762


431.1004, 0.3478,  
0.3545

 44.8488, 0.3871,  
0.3810


 107.3965, 0.3685,  
0.3688

 31.3384, 0.3964,  
0.3869


 136.8658, 0.3642,  
0.3658

 20.8566, 0.4082,  
0.3941


171.2859, 0.3604,  
0.3633

 13.0192, 0.4235,  
0.4031

211.0410, 0.3572,  
0.3611

 7.4418, 0.4443,  
0.4144

256.5156, 0.3544,  
0.3592

 3.7399, 0.4732,  
0.4283

308.0941, 0.3519,

 1.5292, 0.5375,

0.3574

0.4625

366.1609, 0.3497,  
0.3559

0.3091, 0.6198,  
0.3802

0.0000, 0.0000,  
0.0000

61.7724, 0.3797,  
0.3762

61.7724, 0.3797,  
0.3762

55.8630, 0.4041,  
0.3897

68.2619, 0.3576,  
0.3623

50.5063, 0.4303,  
0.4019

75.3405, 0.3379,  
0.3485

45.6851, 0.4575,  
0.4116

83.0279, 0.3205,  
0.3353

41.3776, 0.4843,  
0.4175

91.3400, 0.3054,  
0.3229

■ 37.5597, 0.5091,  
0.4184

■ 97.2576, 0.3035,  
0.3290

■ 34.2038, 0.5301,  
0.4138

■ 32.6812, 0.5394,  
0.4099

# Harmonies

## Analogous

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



61.7724, 0.3838, 0.3496



61.7724, 0.3797, 0.3762



61.7724, 0.3571, 0.3921

# Triad

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



61.7724, 0.3797, 0.3762



61.7724, 0.2602, 0.3349



61.7724, 0.2989, 0.2758

# Complementary

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



61.7724, 0.3797, 0.3762



53.2491, 0.2562, 0.2763

# 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.



61.7724, 0.2678, 0.2701



61.7724, 0.3797, 0.3762



61.7724, 0.2465, 0.3017

# Square

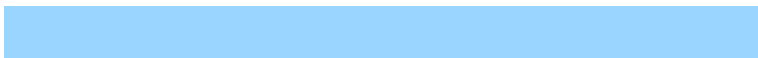
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.7724, 0.3797, 0.3762



61.7724, 0.2879, 0.3686



61.7724, 0.2492, 0.2788



61.7724, 0.3356, 0.2937



# Rectangle

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



61.7724, 0.3797, 0.3762



61.7724, 0.3352, 0.3931



61.7724, 0.2492, 0.2788



61.7724, 0.2875, 0.2724

# Sweetspot

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



61.7753, 0.3797, 0.3762



90.7893, 0.3290, 0.3419



46.3648, 0.3544, 0.2833



19.1679, 0.3315, 0.3437



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.



61.7753, 0.3797, 0.3762



66.0098, 0.3969, 0.3859



83.2119, 0.3655, 0.4162



17.0986, 0.3280, 0.3411



18.1651, 0.5370, 0.4118

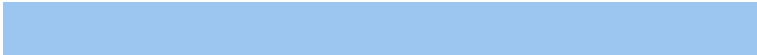


1.7104, 0.5173, 0.4275

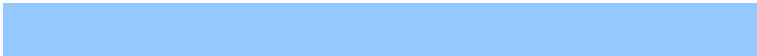


# Inverse Universe

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



53.2491, 0.2562, 0.2763



54.8640, 0.2445, 0.2634



37.1262, 0.2491, 0.2239



16.5008, 0.2980, 0.3166



10.6714, 0.1760, 0.1537



1.0863, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 61.7724, 0.3797, 0.3762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

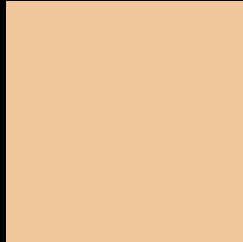
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7724, 0.3797, 0.3762 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

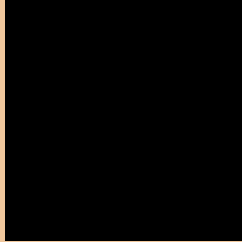
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.7724, 0.3797, 0.3762**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7724, 0.3797, 0.3762.



This preview shows how white text looks on a background with the Yxy color 61.7724, 0.3797, 0.3762.

# 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

61.7724, 0.3797, 0.3762

### Protanopia

61.8615, 0.3584, 0.3833

### Deuteranopia

61.8432, 0.3826, 0.3747



## Tritanopia

61.6167, 0.3445, 0.3132

# Trichromacy



## Original Color

61.7724, 0.3797, 0.3762

## Protanomaly

61.5114, 0.3659, 0.3801

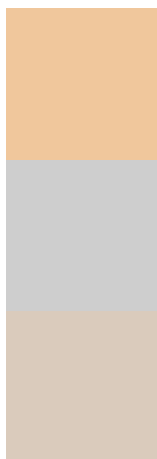
## Deuteranomaly

61.6657, 0.3818, 0.3748

## Tritanomaly

61.7157, 0.3576, 0.3367

# Monochromacy



## Original Color

61.7724, 0.3797, 0.3762

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.2481, 0.3355, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7724, 0.3797, 0.3762 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, 199, 156)` looks like.

```
.text, #text, p{  
    color:rgb(240, 199, 156)  
}
```

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, 199, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 199, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7724, 0.3797, 0.3762 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, 199, 156) }
```

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

```
.border{ border-color:rgb(240, 199, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 199, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 199, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 199, 156);  
box-shadow:4px 4px 4px 4px rgb(240, 199,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7724, 0.3797, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 199, 156) }
```

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

```
.background{ background-color: rgb(240,  
199, 156) }
```

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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