

# Converting Colors

$Y_{xy}(77.3323, 0.3500, 0.3681)$

Have a look what the booklet for  
Yxy(77.3323, 0.3500, 0.3681)  
contains.

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# Color

**Yxy(77.1215, 0.3499, 0.3679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3E2BD
RGB	243, 226, 189
RGB Percent	95%, 89%, 74%
CMY	0.0470, 0.1137, 0.2589
CMYK	0.00, 0.07, 0.22, 0.05
HSL	41°, 69%, 85%
HSV	41°, 22%, 95%
XYZ	73.3482, 77.1215, 59.1565
YIQ	226.8650, 22.0090, -7.9030

# Conversions

## Conversions Part 2

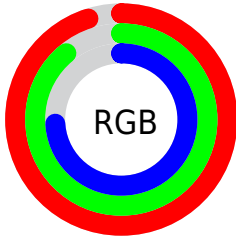
Format	Color
R <sub>Y</sub> B	214, 243, 189
Decimal	15983293
CIE Lab	90.38, 0.10, 20.21
CIE LCh	90, 20.213, 89.725
Yxy	77.1215, 0.3499, 0.3679
Android (android.graphics.Color)	4294173373 (0xFFF3E2BD)
YUV	226.8650, -18.6674, 14.1504
Hunter-Lab	87.8188, -4.5959, 21.5343

# Details

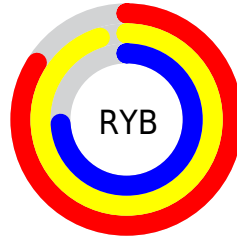
The Yxy color **77.1215, 0.3499, 0.3679** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.4376, 0.2765, 0.2868**, and the grayscale version is **76.8422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **41.3425, 0.3575, 0.3765** is the 20% darker color. If you saturate the color by 10%, you get **72.0853, 0.3690, 0.3861**, and if you desaturate by 10%, it is **82.5274, 0.3322, 0.3500**.

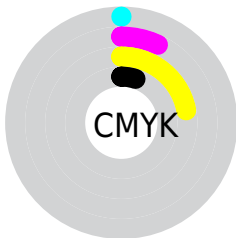
# Distribution



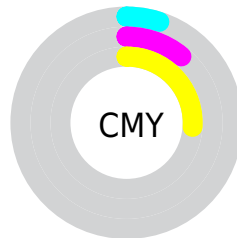
- Red (95%)
- Green (89%)
- Blue (74%)



- Red (84%)
- Yellow (95%)
- Blue (74%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1215, 0.3499, 0.3679 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 77.1215, 0.3499, 0.3679 by changing the saturation by 10% instead.





 77.1215, 0.3499,  
0.3679

 77.1215, 0.3499,  
0.3679


485.1782, 0.3329,  
0.3501

 57.3526, 0.3537,  
0.3719

 129.3110, 0.3441,  
0.3618

 41.2884, 0.3584,  
0.3768


162.5003, 0.3418,  
0.3594

 28.5445, 0.3642,  
0.3829


200.9320, 0.3398,  
0.3573

 18.7365, 0.3718,  
0.3907

244.9903, 0.3381,  
0.3555

 11.4800, 0.3818,  
0.4012

295.0597, 0.3365,  
0.3539

 6.3907, 0.3956,  
0.4156

351.5245, 0.3352,

 3.0841, 0.4156,

0.3525

414.7692, 0.3340,  
0.3513

0.4365

1.1758, 0.4879,  
0.5121

0.0418, 0.5018,  
0.4982

77.1215, 0.3499,  
0.3679

77.1215, 0.3499,  
0.3679

72.0853, 0.3690,  
0.3861

82.5274, 0.3322,  
0.3500

67.3971, 0.3892,  
0.4038

88.3032, 0.3161,  
0.3327

63.0485, 0.4099,  
0.4203

94.0102, 0.3055,  
0.3231

59.0265, 0.4304,  
0.4343

97.7987, 0.3054,  
0.3290

■ 55.3166, 0.4497,  
0.4448

■ 51.9028, 0.4668,  
0.4508

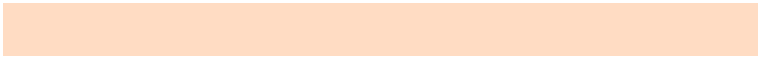
■ 48.7659, 0.4808,  
0.4517

■ 46.4996, 0.4898,  
0.4493

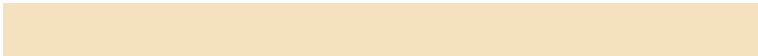
# Harmonies

## Analogous

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



77.1215, 0.3598, 0.3544



77.1215, 0.3499, 0.3679



77.1215, 0.3301, 0.3711

# Triad

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



77.1215, 0.3499, 0.3679



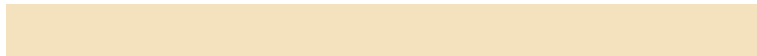
77.1215, 0.2707, 0.3202



77.1215, 0.3180, 0.2991

# Complementary

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



77.1215, 0.3499, 0.3679



61.4376, 0.2765, 0.2868

# Split Complementary

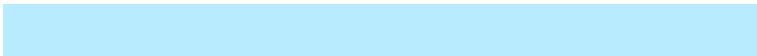
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1215, 0.2943, 0.2901



77.1215, 0.3499, 0.3679



77.1215, 0.2677, 0.3013

# Square

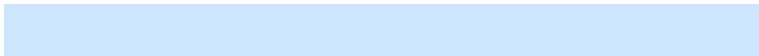
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1215, 0.3499, 0.3679



77.1215, 0.2846, 0.3428



77.1215, 0.2761, 0.2907

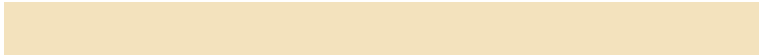


77.1215, 0.3410, 0.3152



# Rectangle

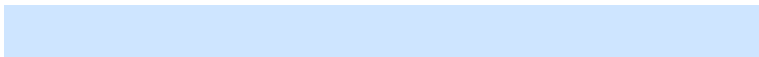
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1215, 0.3499, 0.3679



77.1215, 0.3142, 0.3663



77.1215, 0.2761, 0.2907



77.1215, 0.3098, 0.2951

# Sweetspot

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



77.1250, 0.3499, 0.3679



95.3677, 0.3236, 0.3409



59.9099, 0.3441, 0.3108



20.3292, 0.3246, 0.3419



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.



77.1250, 0.3499, 0.3679



83.2651, 0.3590, 0.3767



85.1314, 0.3394, 0.3858



18.3815, 0.3276, 0.3452



25.7679, 0.4884, 0.4504



2.4484, 0.4776, 0.4590



# Inverse Universe

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



61.4376, 0.2765, 0.2868



62.7116, 0.2680, 0.2762



54.9903, 0.2821, 0.2679



16.7786, 0.2980, 0.3123



6.6429, 0.1620, 0.1032

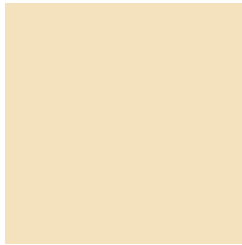


0.7604, 0.1689, 0.1278



# Previews

## White Background



This preview shows how the Yxy color 77.1215, 0.3499, 0.3679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

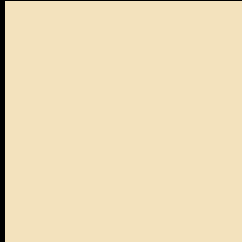
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1215, 0.3499, 0.3679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

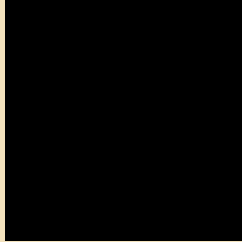
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

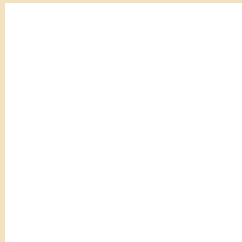
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1215, 0.3499, 0.3679**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1215, 0.3499, 0.3679.



This preview shows how white text looks on a background with the Yxy color 77.1215, 0.3499, 0.3679.

# 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

77.1215, 0.3499, 0.3679

### Protanopia

77.1376, 0.3474, 0.3692

### Deuteranopia

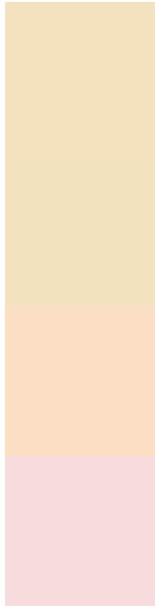
77.1430, 0.3522, 0.3505



## Tritanopia

76.9172, 0.3221, 0.3109

# Trichromacy



**Original Color**

77.1215, 0.3499, 0.3679

**Protanomaly**

77.3131, 0.3482, 0.3691

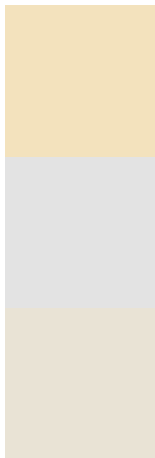
**Deuteranomaly**

77.2701, 0.3516, 0.3569

**Tritanomaly**

77.1840, 0.3320, 0.3311

# Monochromacy



**Original Color**

77.1215, 0.3499, 0.3679

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

77.0659, 0.3261, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1215, 0.3499, 0.3679 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(243, 226, 189)` looks like.

```
.text, #text, p{  
    color:rgb(243, 226, 189)  
}
```

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(243, 226, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 226, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1215, 0.3499, 0.3679 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(243, 226, 189) }
```

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

```
.border{ border-color:rgb(243, 226, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 226, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 226, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 226, 189); box-shadow:4px 4px 4px 4px rgb(243, 226, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1215, 0.3499, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 226, 189) }
```

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

```
.background{ background-color: rgb(243,  
226, 189) }
```

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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