

# Converting Colors

$Y_{xy}(78.0502, 0.3631, 0.3704)$

Have a look what the booklet for  
Yxy(78.0502, 0.3631, 0.3704)  
contains.

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# Color

**Yxy(78.0320, 0.3629, 0.3699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0B8
RGB	255, 224, 184
RGB Percent	100%, 88%, 72%
CMY	0.0000, 0.1216, 0.2785
CMYK	0.00, 0.12, 0.28, 0.00
HSL	34°, 100%, 86%
HSV	34°, 28%, 100%
XYZ	76.5553, 78.0320, 56.3670
YIQ	228.7090, 31.3160, -5.8680

# Conversions

## Conversions Part 2

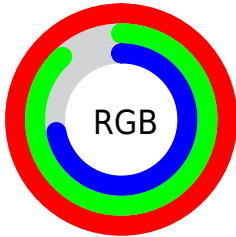
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 255, 184
Decimal	16769208
CIE Lab	90.79, 4.89, 23.54
CIE LCh	91, 24.041, 78.267
Yxy	78.0320, 0.3629, 0.3699
Android (android.graphics.Color)	4294959288 (0xFFFFE0B8)
YUV	228.7090, -22.0415, 23.0572
Hunter-Lab	88.3357, 0.1078, 24.0021

# Details

The Yxy color **78.0320, 0.3629, 0.3699** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66.0063, 0.2675, 0.2843**, and the grayscale version is **78.2735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **41.8849, 0.3736, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **71.2647, 0.3848, 0.3851**, and if you desaturate by 10%, it is **85.3784, 0.3430, 0.3547**.

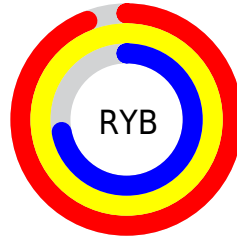
# Distribution



Red (100%)

Green (88%)

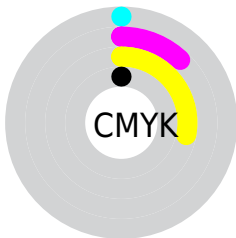
Blue (72%)



Red (94%)

Yellow (100%)

Blue (72%)

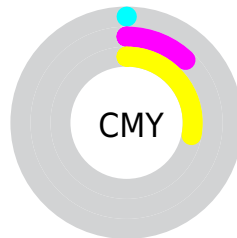


Cyan (0%)

Magenta (12%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0320, 0.3629, 0.3699 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 78.0320, 0.3629, 0.3699 by changing the saturation by 10% instead.




 78.0320, 0.3629,  
0.3699

 78.0320, 0.3629,  
0.3699


488.2755, 0.3399,  
0.3515

 58.1003, 0.3680,  
0.3739


 130.5952, 0.3550,  
0.3637

 41.8893, 0.3744,  
0.3788


163.9955, 0.3519,  
0.3612

 29.0146, 0.3822,  
0.3848


202.6541, 0.3492,  
0.3591

 19.0919, 0.3923,  
0.3925

246.9554, 0.3469,  
0.3572

 11.7367, 0.4057,  
0.4023

297.2838, 0.3449,  
0.3555

 6.5646, 0.4241,  
0.4153

354.0237, 0.3430,

 3.1914, 0.4505,

0.3541

0.4327

417.5594, 0.3414,  
0.3527

■ 1.2324, 0.5184,  
0.4816

■ 0.0880, 0.6976,  
0.3024

■ 78.0320, 0.3629,  
0.3699

■ 78.0320, 0.3629,  
0.3699

■ 71.2647, 0.3848,  
0.3851

■ 85.3784, 0.3430,  
0.3547

■ 65.0669, 0.4086,  
0.3996

■ 93.3291, 0.3252,  
0.3400

■ 59.4170, 0.4335,  
0.4123

100.0000, 0.3127,  
0.3290

■ 54.2945, 0.4585,  
0.4221

■ 49.6768, 0.4824,  
0.4277

■ 45.5386, 0.5037,  
0.4281

■ 41.8485, 0.5212,  
0.4230

■ 41.1049, 0.5247,  
0.4216

# Harmonies

## Analogous

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



78.0320, 0.3690, 0.3504



78.0320, 0.3629, 0.3699



78.0320, 0.3431, 0.3793

# Triad

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



78.0320, 0.3629, 0.3699



78.0320, 0.2681, 0.3285



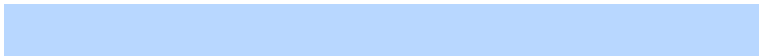
78.0320, 0.3077, 0.2887

# Complementary

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



78.0320, 0.3629, 0.3699



66.0063, 0.2675, 0.2843

# Split Complementary

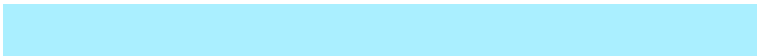
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0320, 0.2816, 0.2822



78.0320, 0.3629, 0.3699



78.0320, 0.2595, 0.3036

# Square

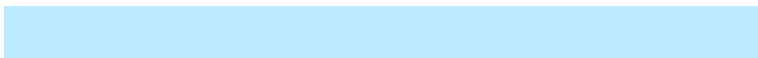
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0320, 0.3629, 0.3699



78.0320, 0.2883, 0.3551



78.0320, 0.2643, 0.2871



78.0320, 0.3364, 0.3047

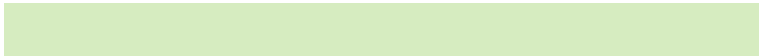


# Rectangle

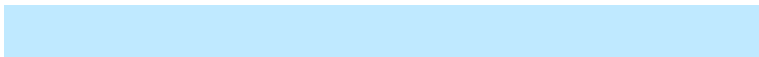
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0320, 0.3629, 0.3699



78.0320, 0.3252, 0.3776



78.0320, 0.2643, 0.2871



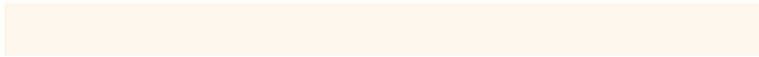
78.0320, 0.2984, 0.2853

# Sweetspot

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



78.0292, 0.3629, 0.3699



93.2033, 0.3255, 0.3402



60.4913, 0.3467, 0.2963



19.6852, 0.3280, 0.3424



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.



78.0292, 0.3629, 0.3699



74.4719, 0.3739, 0.3778



95.5730, 0.3526, 0.3994



19.6852, 0.3280, 0.3424



21.7809, 0.5225, 0.4233

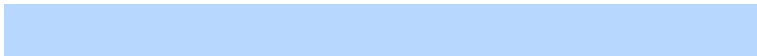


2.3383, 0.5075, 0.4352



# Inverse Universe

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



66.0063, 0.2675, 0.2843



60.7736, 0.2587, 0.2745



52.1293, 0.2662, 0.2486



18.6826, 0.2979, 0.3152



10.0362, 0.1714, 0.1369



1.1900, 0.1775, 0.1588



# Previews

## White Background



This preview shows how the Yxy color 78.0320, 0.3629, 0.3699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

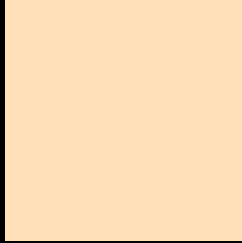
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0320, 0.3629, 0.3699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

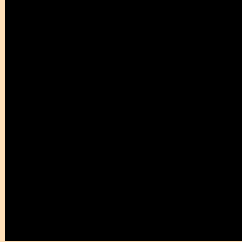
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0320, 0.3629, 0.3699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0320, 0.3629, 0.3699.

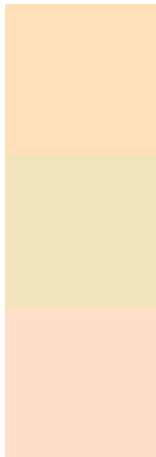


This preview shows how white text looks on a background with the Yxy color 78.0320, 0.3629, 0.3699.

# 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

78.0320, 0.3629, 0.3699

### Protanopia

77.9092, 0.3507, 0.3732

### Deuteranopia

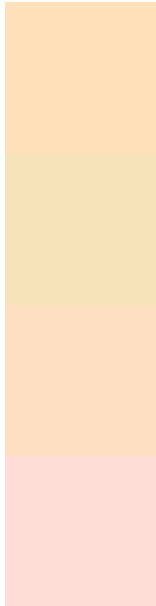
78.2055, 0.3518, 0.3525



## Tritanopia

77.8062, 0.3292, 0.3151

# Trichromacy



**Original Color**

78.0320, 0.3629, 0.3699

**Protanomaly**

78.2151, 0.3554, 0.3727

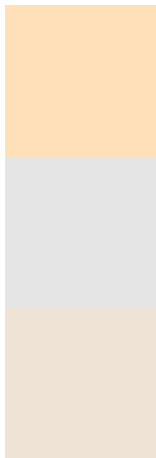
**Deuteranomaly**

77.9304, 0.3560, 0.3586

**Tritanomaly**

77.8792, 0.3415, 0.3351

# Monochromacy



**Original Color**

78.0320, 0.3629, 0.3699

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

77.9194, 0.3297, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0320, 0.3629, 0.3699 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(255, 224, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 184)  
}
```

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(255, 224, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0320, 0.3629, 0.3699 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(255, 224, 184) }
```

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

```
.border{ border-color:rgb(255, 224, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 224, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 224, 184); box-shadow:4px 4px 4px 4px rgb(255, 224, 184) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0320, 0.3629, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 184) }
```

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

```
.background{ background-color: rgb(255,  
224, 184) }
```

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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