

# Converting Colors

$Y_{xy}(83.0252, 0.3709, 0.3549)$

Have a look what the booklet for  
Yxy(83.0252, 0.3709, 0.3549)  
contains.

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# Color

**Yxy(78.6025, 0.3537, 0.3565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0C5
RGB	255, 224, 197
RGB Percent	100%, 88%, 77%
CMY	0.0000, 0.1216, 0.2274
CMYK	0.00, 0.12, 0.23, 0.00
HSL	28°, 100%, 89%
HSV	28°, 23%, 100%
XYZ	77.9851, 78.6025, 63.8962
YIQ	230.1910, 27.1430, -1.8250

# Conversions

## Conversions Part 2

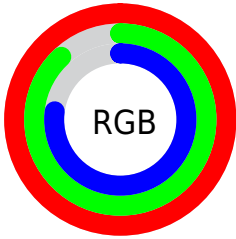
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 248, 197
Decimal	16769221
CIE Lab	91.05, 6.65, 17.13
CIE LCh	91, 18.377, 68.792
Yxy	78.6025, 0.3537, 0.3565
Android (android.graphics.Color)	4294959301 (0xFFFFE0C5)
YUV	230.1910, -16.3632, 21.7575
Hunter-Lab	88.6581, 1.8601, 19.3301

# Details

The Yxy color **78.6025, 0.3537, 0.3565** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.5957, 0.2767, 0.2998**, and the grayscale version is **79.3850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **42.3649, 0.3635, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **70.4886, 0.3760, 0.3693**, and if you desaturate by 10%, it is **87.4956, 0.3340, 0.3440**.

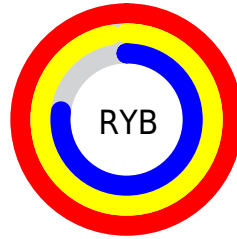
# Distribution



Red (100%)

Green (88%)

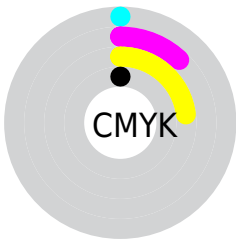
Blue (77%)



Red (100%)

Yellow (97%)

Blue (77%)

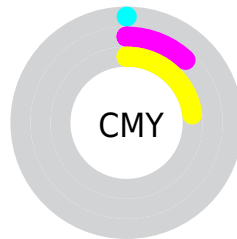


Cyan (0%)

Magenta (12%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (12%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6025, 0.3537, 0.3565 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 78.6025, 0.3537, 0.3565 by changing the saturation by 10% instead.



 78.6025, 0.3537,  
0.3565

 78.6025, 0.3537,  
0.3565

490.2106, 0.3349,  
0.3442

 58.5690, 0.3579,  
0.3592


131.3991, 0.3472,  
0.3523

 42.2663, 0.3632,  
0.3625


164.9311, 0.3447,  
0.3507

 29.3099, 0.3697,  
0.3665


203.7313, 0.3425,  
0.3492

 19.3154, 0.3782,  
0.3717

248.1842, 0.3406,  
0.3480

 11.8984, 0.3896,  
0.3784

298.6742, 0.3389,  
0.3469

 6.6745, 0.4056,  
0.3874

355.5857, 0.3374,

 3.2594, 0.4295,

0.3459

0.3999

419.3030, 0.3361,  
0.3450

1.2686, 0.5037,  
0.4487

0.1167, 0.7007,  
0.2993

78.6025, 0.3537,  
0.3565

78.6025, 0.3537,  
0.3565

70.4886, 0.3760,  
0.3693

87.4956, 0.3340,  
0.3440

63.1399, 0.4011,  
0.3818

97.2001, 0.3170,  
0.3321

56.5283, 0.4286,  
0.3933

100.0000, 0.3127,  
0.3290

50.6271, 0.4578,  
0.4025

■ 45.4073, 0.4872,  
0.4083

■ 40.8375, 0.5150,  
0.4092

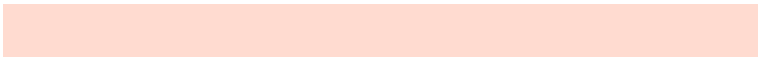
■ 36.8820, 0.5391,  
0.4046

■ 34.3642, 0.5540,  
0.3983

# Harmonies

## Analogous

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



78.6025, 0.3544, 0.3402



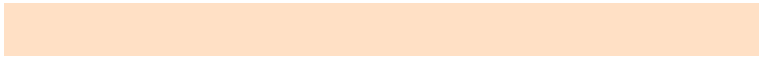
78.6025, 0.3537, 0.3565



78.6025, 0.3417, 0.3661

# Triad

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



78.6025, 0.3537, 0.3565



78.6025, 0.2826, 0.3354



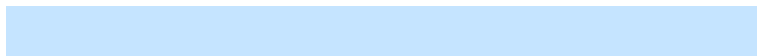
78.6025, 0.3023, 0.2953

# Complementary

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



78.6025, 0.3537, 0.3565



74.5957, 0.2767, 0.2998

# Split Complementary

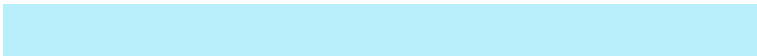
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6025, 0.2838, 0.2932



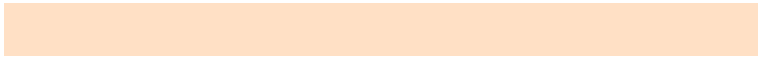
78.6025, 0.3537, 0.3565



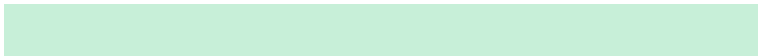
78.6025, 0.2727, 0.3154

# Square

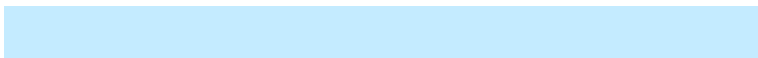
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6025, 0.3537, 0.3565



78.6025, 0.3005, 0.3541



78.6025, 0.2732, 0.3002



78.6025, 0.3241, 0.3057



# Rectangle

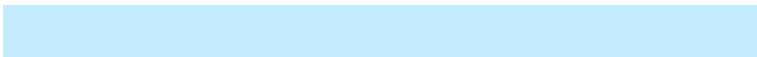
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6025, 0.3537, 0.3565



78.6025, 0.3291, 0.3670



78.6025, 0.2732, 0.3002



78.6025, 0.2955, 0.2936

# Sweetspot

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



78.5992, 0.3537, 0.3565



92.9628, 0.3240, 0.3371



66.8540, 0.3346, 0.2969



19.7720, 0.3250, 0.3378



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.



78.5992, 0.3537, 0.3565



75.0469, 0.3629, 0.3619



94.9764, 0.3478, 0.3833



19.3799, 0.3283, 0.3401



18.2482, 0.5513, 0.4005

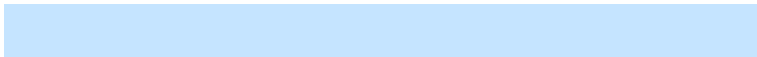


1.9928, 0.5324, 0.4155

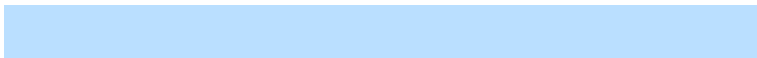


# Inverse Universe

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



74.5957, 0.2767, 0.2998



70.4381, 0.2697, 0.2936



60.3645, 0.2742, 0.2682



18.9867, 0.2979, 0.3177



13.3310, 0.1803, 0.1692

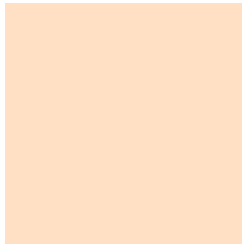


1.5168, 0.1858, 0.1887



# Previews

## White Background



This preview shows how the Yxy color 78.6025, 0.3537, 0.3565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

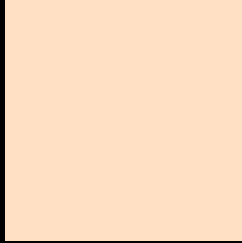
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6025, 0.3537, 0.3565 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 78.6025, 0.3537, 0.3565**

## Background



This preview shows how black text looks on a background with the Yxy color 78.6025, 0.3537, 0.3565.



This preview shows how white text looks on a background with the Yxy color 78.6025, 0.3537, 0.3565.

# 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

78.6025, 0.3537, 0.3565

### Protanopia

78.8629, 0.3410, 0.3605

### Deuteranopia

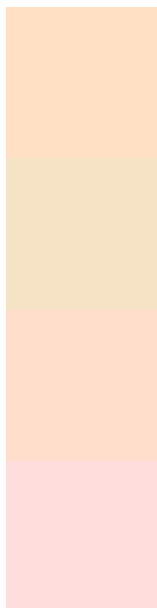
78.4916, 0.3475, 0.3463



## Tritanopia

78.4446, 0.3277, 0.3142

# Trichromacy



## Original Color

78.6025, 0.3537, 0.3565

## Protanomaly

78.6082, 0.3457, 0.3591

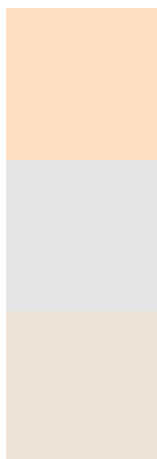
## Deuteranomaly

78.3471, 0.3497, 0.3494

## Tritanomaly

78.1934, 0.3373, 0.3291

# Monochromacy



## Original Color

78.6025, 0.3537, 0.3565

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.8995, 0.3269, 0.3394

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6025, 0.3537, 0.3565 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6025, 0.3537, 0.3565 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, 197) }
```

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

```
.border{ border-color:rgb(255, 224, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 224, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 224, 197); box-shadow:4px 4px 4px 4px rgb(255, 224, 197) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 78.6025, 0.3537, 0.3565$  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, 197) }
```

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

```
.background{ background-color: rgb(255,  
224, 197) }
```

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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