

# Converting Colors

$Y_{xy}(74.6905, 0.3576, 0.3527)$

Have a look what the booklet for  
Yxy(74.6905, 0.3576, 0.3527)  
contains.

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# Color

**Yxy(74.7808, 0.3574, 0.3527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9C2
RGB	255, 217, 194
RGB Percent	100%, 85%, 76%
CMY	0.0002, 0.1489, 0.2393
CMYK	0.00, 0.15, 0.24, 0.00
HSL	23°, 100%, 88%
HSV	23°, 24%, 100%
XYZ	75.7773, 74.7808, 61.4657
YIQ	225.7400, 30.0310, 0.9030

# Conversions

## Conversions Part 2

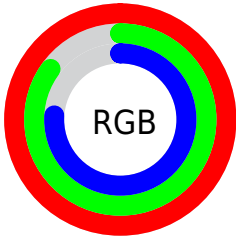
Format	Color
R <sub>Y</sub> B	255, 231, 194
Decimal	16767426
CIE Lab	89.29, 9.79, 16.24
CIE LCh	89, 18.965, 58.916
Yxy	74.7808, 0.3574, 0.3527
Android (android.graphics.Color)	4294957506 (0xFFFFD9C2)
YUV	225.7400, -15.6478, 25.6610
Hunter-Lab	86.4759, 5.0836, 18.3907

# Details

The Yxy color  $74.7808, 0.3574, 0.3527$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $76.3494, 0.2752, 0.3040$ , and the grayscale version is  $75.9532, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.7450, 0.3150, 0.3328$ , and  $39.7399, 0.3688, 0.3580$  is the 20% darker color. If you saturate the color by 10%, you get  $65.9465, 0.3815, 0.3632$ , and if you desaturate by 10%, it is  $84.6043, 0.3367, 0.3424$ .

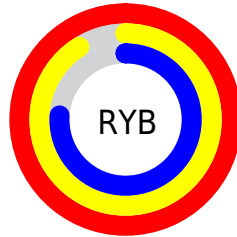
# Distribution



Red (100%)

Green (85%)

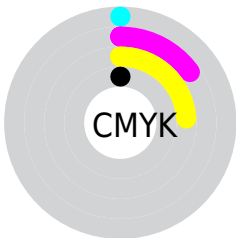
Blue (76%)



Red (100%)

Yellow (91%)

Blue (76%)

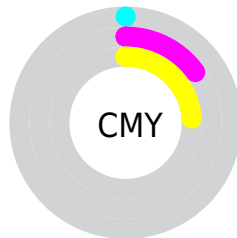


Cyan (0%)

Magenta (15%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7808, 0.3574, 0.3527 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 74.7808, 0.3574, 0.3527 by changing the saturation by 10% instead.





 74.7808, 0.3574,  
0.3527

 74.7808, 0.3574,  
0.3527

477.1638, 0.3367,  
0.3421

 55.4333, 0.3621,  
0.3550


 126.0020, 0.3502,  
0.3491

 39.7488, 0.3680,  
0.3578


158.6446, 0.3474,  
0.3477

 27.3427, 0.3754,  
0.3612


196.4876, 0.3450,  
0.3465

 17.8308, 0.3850,  
0.3656

239.9155, 0.3429,  
0.3454

 10.8286, 0.3981,  
0.3712

289.3127, 0.3411,  
0.3444

 5.9517, 0.4167,  
0.3785


345.0635, 0.3394,


 2.8157, 0.4451,

0.3436


0.3883


407.5525, 0.3380,  
0.3428


 1.0363, 0.5516,  
0.4484


 0.0000, 1.0000,  
0.0000


 74.7808, 0.3574,  
0.3527


 74.7808, 0.3574,  
0.3527

 65.9465, 0.3815,  
0.3632

 84.6043, 0.3367,  
0.3424

 58.0592, 0.4090,  
0.3734

 95.4373, 0.3189,  
0.3327

 51.0882, 0.4397,  
0.3825

99.9924, 0.3127,  
0.3290

 44.9974, 0.4728,  
0.3894

■ 39.7477, 0.5065,  
0.3927

■ 35.2964, 0.5384,  
0.3912

■ 31.5955, 0.5654,  
0.3844

■ 29.6819, 0.5792,  
0.3783

# Harmonies

## Analogous

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



74.7808, 0.3540, 0.3344



74.7808, 0.3574, 0.3527



74.7808, 0.3484, 0.3657

# Triad

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



74.7808, 0.3574, 0.3527



74.7808, 0.2865, 0.3426



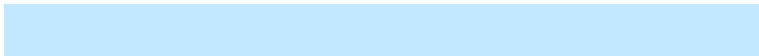
74.7808, 0.2947, 0.2920

# Complementary

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



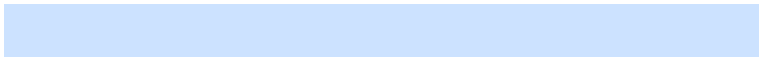
74.7808, 0.3574, 0.3527



76.3494, 0.2752, 0.3040

# 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.



74.7808, 0.2777, 0.2928



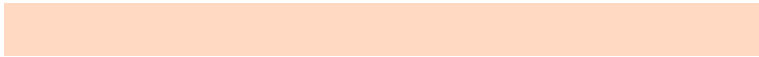
74.7808, 0.3574, 0.3527



74.7808, 0.2731, 0.3213

# Square

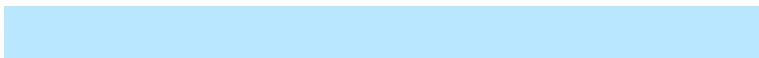
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7808, 0.3574, 0.3527



74.7808, 0.3071, 0.3605



74.7808, 0.2699, 0.3032



74.7808, 0.3171, 0.3002



# Rectangle

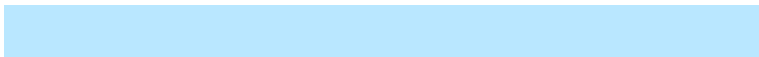
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7808, 0.3574, 0.3527



74.7808, 0.3368, 0.3691



74.7808, 0.2699, 0.3032



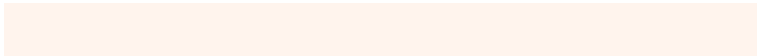
74.7808, 0.2882, 0.2912

# Sweetspot

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



74.7842, 0.3574, 0.3527



92.0217, 0.3241, 0.3356



65.6869, 0.3321, 0.2902



19.5543, 0.3251, 0.3362



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.



74.7842, 0.3574, 0.3527



70.1970, 0.3692, 0.3580



91.5634, 0.3507, 0.3815



19.1119, 0.3285, 0.3380



15.7789, 0.5762, 0.3807

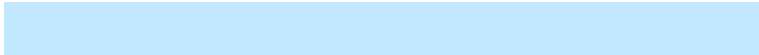


1.7387, 0.5549, 0.3976

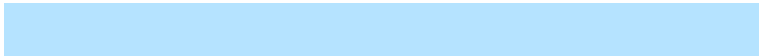


# Inverse Universe

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



76.3494, 0.2752, 0.3040



72.0178, 0.2673, 0.2979



60.9765, 0.2724, 0.2704



19.2604, 0.2979, 0.3198



16.9608, 0.1889, 0.1999

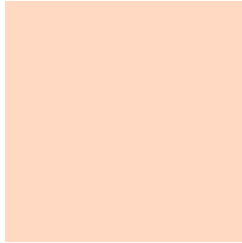


1.8620, 0.1934, 0.2162



# Previews

## White Background



This preview shows how the Yxy color 74.7808, 0.3574, 0.3527 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 74.7808, 0.3574, 0.3527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

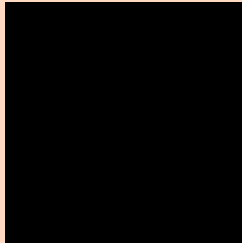
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7808, 0.3574, 0.3527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7808, 0.3574, 0.3527.



This preview shows how white text looks on a background with the Yxy color 74.7808, 0.3574, 0.3527.

# 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

74.7808, 0.3574, 0.3527

### Protanopia

75.0047, 0.3388, 0.3579

### Deuteranopia

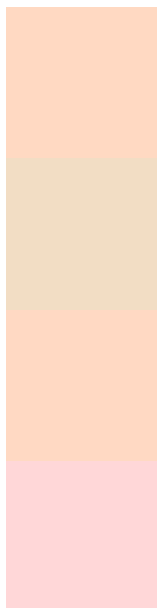
74.8712, 0.3560, 0.3506



## Tritanopia

74.9546, 0.3332, 0.3150

# Trichromacy



## Original Color

74.7808, 0.3574, 0.3527

## Protanomaly

74.5757, 0.3452, 0.3554

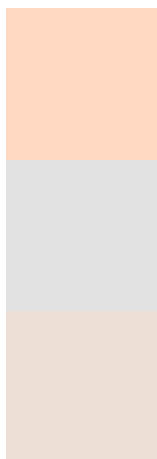
## Deuteranomaly

74.8258, 0.3567, 0.3516

## Tritanomaly

74.8187, 0.3417, 0.3281

# Monochromacy



## Original Color

74.7808, 0.3574, 0.3527

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.6349, 0.3287, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7808, 0.3574, 0.3527 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, 217, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 194)  
}
```

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, 217, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7808, 0.3574, 0.3527 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, 217, 194) }
```

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

```
.border{ border-color:rgb(255, 217, 194) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7808, 0.3574, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 194) }
```

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

```
.background{ background-color: rgb(255,  
217, 194) }
```

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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