

# Converting Colors

$Y_{xy}(100.0000, 0.4420, 0.3440)$

Have a look what the booklet for  
Yxy(100.0000, 0.4420, 0.3440)  
contains.

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# Color

**Yxy(72.1527, 0.3601, 0.3497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4C0
RGB	255, 212, 192
RGB Percent	100%, 83%, 75%
CMY	0.0000, 0.1686, 0.2471
CMYK	0.00, 0.17, 0.25, 0.00
HSL	19°, 100%, 88%
HSV	19°, 25%, 100%
XYZ	74.2985, 72.1527, 59.8762
YIQ	222.5770, 32.0480, 2.8960

# Conversions

## Conversions Part 2

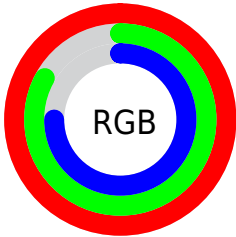
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 221, 192
Decimal	16766144
CIE Lab	88.04, 12.14, 15.53
CIE LCh	88, 19.707, 51.989
Yxy	72.1527, 0.3601, 0.3497
Android (android.graphics.Color)	4294956224 (0xFFFFD4C0)
YUV	222.5770, -15.0745, 28.4350
Hunter-Lab	84.9427, 7.4822, 17.6663

# Details

The Yxy color  $72.1527, 0.3601, 0.3497$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $77.8367, 0.2744, 0.3073$ , and the grayscale version is  $73.5689, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.5573, 0.3168, 0.3357$ , and  $37.8483, 0.3706, 0.3530$  is the 20% darker color. If you saturate the color by 10%, you get  $62.8843, 0.3854, 0.3586$ , and if you desaturate by 10%, it is  $82.5594, 0.3385, 0.3410$ .

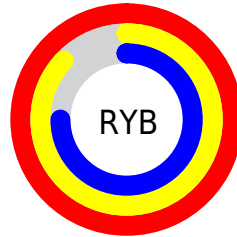
# Distribution



Red (100%)

Green (83%)

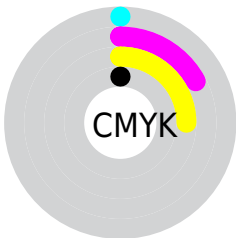
Blue (75%)



Red (100%)

Yellow (87%)

Blue (75%)

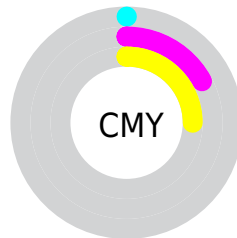


Cyan (0%)

Magenta (17%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1527, 0.3601, 0.3497 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 72.1527, 0.3601, 0.3497 by changing the saturation by 10% instead.





 72.1527, 0.3601,  
0.3497

 72.1527, 0.3601,  
0.3497


468.0729, 0.3380,  
0.3405

 53.2834, 0.3652,  
0.3517


 122.2736, 0.3524,  
0.3466

 38.0291, 0.3715,  
0.3541


154.2940, 0.3494,  
0.3454

 26.0053, 0.3795,  
0.3570


191.4669, 0.3468,  
0.3443

 16.8276, 0.3901,  
0.3607

234.1768, 0.3446,  
0.3434

 10.1116, 0.4044,  
0.3654

282.8079, 0.3426,  
0.3425

 5.4730, 0.4251,  
0.3714

337.7447, 0.3409,

 2.5274, 0.4570,

0.3418

0.3789

399.3716, 0.3393,  
0.3411

0.8903, 0.5699,  
0.4301

0.0000, 1.0000,  
0.0000

72.1527, 0.3601,  
0.3497

72.1527, 0.3601,  
0.3497

62.8843, 0.3854,  
0.3586

82.5594, 0.3385,  
0.3410

54.7073, 0.4148,  
0.3671

94.1348, 0.3203,  
0.3327

47.5820, 0.4479,  
0.3746

100.0000, 0.3127,  
0.3290

41.4633, 0.4838,  
0.3798

■ 36.3027, 0.5204,  
0.3816

■ 32.0468, 0.5547,  
0.3788

■ 28.6358, 0.5829,  
0.3710

■ 27.1429, 0.5952,  
0.3656

# Harmonies

## Analogous

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



72.1527, 0.3535, 0.3299



72.1527, 0.3601, 0.3497



72.1527, 0.3535, 0.3651

# Triad

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



72.1527, 0.3601, 0.3497



72.1527, 0.2897, 0.3483



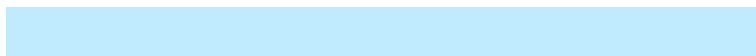
72.1527, 0.2889, 0.2895

# Complementary

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



72.1527, 0.3601, 0.3497



77.8367, 0.2744, 0.3073

# 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.



72.1527, 0.2731, 0.2926



72.1527, 0.3601, 0.3497



72.1527, 0.2735, 0.3260

# Square

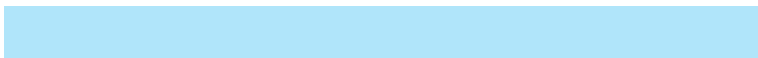
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1527, 0.3601, 0.3497



72.1527, 0.3124, 0.3653



72.1527, 0.2675, 0.3056



72.1527, 0.3116, 0.2961



# Rectangle

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



72.1527, 0.3601, 0.3497



72.1527, 0.3426, 0.3705



72.1527, 0.2675, 0.3056



72.1527, 0.2826, 0.2894

# Sweetspot

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



72.1551, 0.3601, 0.3497



91.3762, 0.3242, 0.3346



64.9580, 0.3304, 0.2858



19.4050, 0.3252, 0.3350



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.



72.1551, 0.3601, 0.3497



67.1101, 0.3730, 0.3544



89.4359, 0.3527, 0.3804



18.9285, 0.3286, 0.3366



14.4186, 0.5922, 0.3680

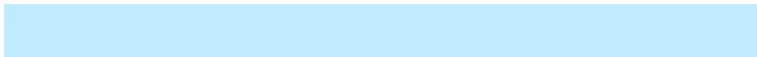


1.5907, 0.5702, 0.3855

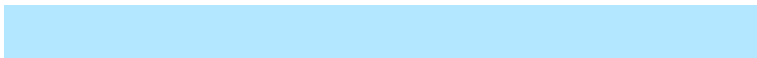


# Inverse Universe

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



77.8367, 0.2744, 0.3073



73.7304, 0.2663, 0.3020



61.3960, 0.2712, 0.2718



19.4513, 0.2980, 0.3213



19.8738, 0.1949, 0.2215

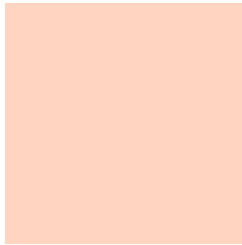


2.1319, 0.1987, 0.2352



# Previews

## White Background



This preview shows how the Yxy color 72.1527, 0.3601, 0.3497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

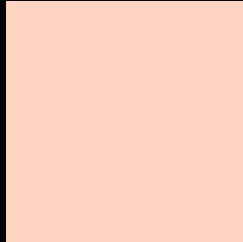
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1527, 0.3601, 0.3497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

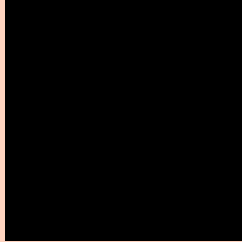
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1527, 0.3601, 0.3497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1527, 0.3601, 0.3497.



This preview shows how white text looks on a background with the Yxy color 72.1527, 0.3601, 0.3497.

# 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

72.1527, 0.3601, 0.3497

### Protanopia

72.1608, 0.3371, 0.3551

### Deuteranopia

72.2769, 0.3583, 0.3508



## Tritanopia

72.1886, 0.3375, 0.3149

# Trichromacy



**Original Color**

72.1527, 0.3601, 0.3497

**Protanomaly**

72.0911, 0.3452, 0.3525

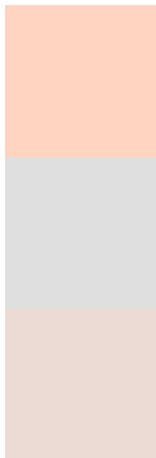
**Deuteranomaly**

72.4651, 0.3591, 0.3508

**Tritanomaly**

72.1067, 0.3455, 0.3271

# Monochromacy



**Original Color**

72.1527, 0.3601, 0.3497

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

73.0787, 0.3291, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1527, 0.3601, 0.3497 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, 212, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 192)  
}
```

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, 212, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1527, 0.3601, 0.3497 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, 212, 192) }
```

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

```
.border{ border-color:rgb(255, 212, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1527, 0.3601, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 192) }
```

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

```
.background{ background-color: rgb(255,  
212, 192) }
```

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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