

# Converting Colors

$Y_{xy}(70.5172, 0.3500, 0.3533)$

Have a look what the booklet for  
Yxy(70.5172, 0.3500, 0.3533)  
contains.

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# Color

**Yxy(70.7320, 0.3503, 0.3536)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2D6BF
RGB	242, 214, 191
RGB Percent	95%, 84%, 75%
CMY	0.0509, 0.1608, 0.2511
CMYK	0.00, 0.12, 0.21, 0.05
HSL	27°, 66%, 85%
HSV	27°, 21%, 95%
XYZ	70.0719, 70.7320, 59.2300
YIQ	219.7500, 24.0710, -1.2170

# Conversions

## Conversions Part 2

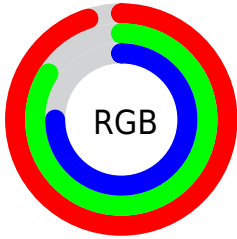
Format	Color
R <sub>Y</sub> B	242, 233, 191
Decimal	15914687
CIE Lab	87.35, 6.19, 14.93
CIE LCh	87, 16.167, 67.473
Yxy	70.7320, 0.3503, 0.3536
Android (android.graphics.Color)	4294104767 (0xFFFF2D6BF)
YUV	219.7500, -14.1738, 19.5132
Hunter-Lab	84.1023, 1.5425, 17.1159

# Details

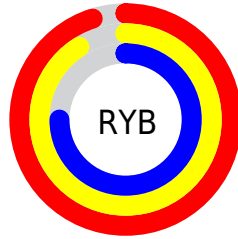
The Yxy color **70.7320, 0.3503, 0.3536** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.1439, 0.2795, 0.3031**, and the grayscale version is **71.4771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **36.9455, 0.3586, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **63.3039, 0.3723, 0.3660**, and if you desaturate by 10%, it is **78.8910, 0.3311, 0.3416**.

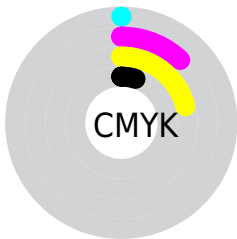
# Distribution



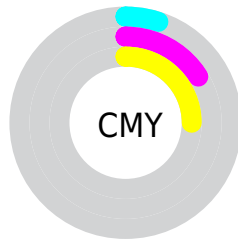
- Red (95%)
- Green (84%)
- Blue (75%)



- Red (95%)
- Yellow (91%)
- Blue (75%)



- Cyan (0%)
- Magenta (12%)
- Yellow (21%)
- Black (5%)



- Cyan (5%)
- Magenta (16%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7320, 0.3503, 0.3536 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 70.7320, 0.3503, 0.3536 by changing the saturation by 10% instead.





 70.7320, 0.3503,  
0.3536

 70.7320, 0.3503,  
0.3536

463.1160, 0.3327,  
0.3424

 52.1235, 0.3544,  
0.3561


 120.2520, 0.3442,  
0.3497

 37.1035, 0.3594,  
0.3592


151.9324, 0.3418,  
0.3482

 25.2877, 0.3658,  
0.3631


188.7388, 0.3398,  
0.3469

 16.2915, 0.3742,  
0.3680

231.0557, 0.3380,  
0.3458

 9.7307, 0.3856,  
0.3746

279.2675, 0.3364,  
0.3448

 5.2207, 0.4022,  
0.3837

333.7586, 0.3350,

 2.3774, 0.4280,

0.3439

0.3968

394.9133, 0.3338,  
0.3431

0.8142, 0.5326,  
0.4674

0.0000, 0.0000,  
0.0000

70.7320, 0.3503,  
0.3536

70.7320, 0.3503,  
0.3536

63.3039, 0.3723,  
0.3660

78.8910, 0.3311,  
0.3416

56.5755, 0.3972,  
0.3782

87.7918, 0.3144,  
0.3302

50.5270, 0.4247,  
0.3895

96.8928, 0.3048,  
0.3279

45.1342, 0.4541,  
0.3989

97.6218, 0.3048,  
0.3290

■ 40.3708, 0.4842,  
0.4051

■ 36.2082, 0.5131,  
0.4067

■ 32.6146, 0.5386,  
0.4029

■ 29.8574, 0.5577,  
0.3954

# Harmonies

## Analogous

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



70.7320, 0.3505, 0.3386



70.7320, 0.3503, 0.3536



70.7320, 0.3398, 0.3626

# Triad

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



70.7320, 0.3503, 0.3536



70.7320, 0.2858, 0.3356



70.7320, 0.3024, 0.2980

# Complementary

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



70.7320, 0.3503, 0.3536



68.1439, 0.2795, 0.3031

# 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.



70.7320, 0.2857, 0.2964



70.7320, 0.3503, 0.3536



70.7320, 0.2764, 0.3175

# Square

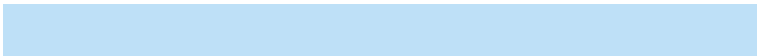
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7320, 0.3503, 0.3536



70.7320, 0.3024, 0.3525



70.7320, 0.2764, 0.3033



70.7320, 0.3223, 0.3072



# Rectangle

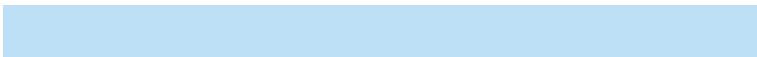
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7320, 0.3503, 0.3536



70.7320, 0.3286, 0.3636



70.7320, 0.2764, 0.3033



70.7320, 0.2962, 0.2965

# Sweetspot

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



70.7352, 0.3503, 0.3536



93.8118, 0.3223, 0.3357



61.2464, 0.3326, 0.2994



19.9394, 0.3234, 0.3365



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.



70.7352, 0.3503, 0.3536



76.2232, 0.3587, 0.3585



84.6521, 0.3451, 0.3792



16.9331, 0.3282, 0.3397



16.3005, 0.5549, 0.3976



1.5521, 0.5326, 0.4153

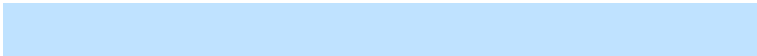


# Inverse Universe

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



68.1439, 0.2795, 0.3031



72.8532, 0.2731, 0.2975



55.8550, 0.2774, 0.2733



16.6670, 0.2980, 0.3181



12.7080, 0.1818, 0.1745

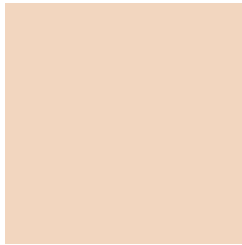


1.2557, 0.1879, 0.1965



# Previews

## White Background



This preview shows how the Yxy color 70.7320, 0.3503, 0.3536 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 70.7320, 0.3503, 0.3536 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 70.7320, 0.3503, 0.3536**

## Background



This preview shows how black text looks on a background with the Yxy color 70.7320, 0.3503, 0.3536.

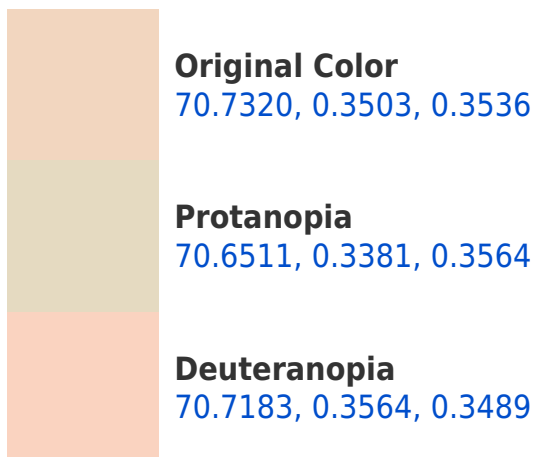


This preview shows how white text looks on a background with the Yxy color 70.7320, 0.3503, 0.3536.

# 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

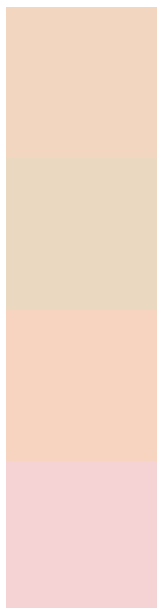




## Tritanopia

70.6300, 0.3292, 0.3126

# Trichromacy



## Original Color

70.7320, 0.3503, 0.3536

## Protanomaly

70.9239, 0.3428, 0.3561

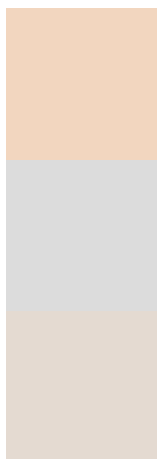
## Deuteranomaly

70.6669, 0.3538, 0.3501

## Tritanomaly

70.8051, 0.3369, 0.3270

# Monochromacy



## Original Color

70.7320, 0.3503, 0.3536

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.2402, 0.3261, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7320, 0.3503, 0.3536 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(242, 214, 191)` looks like.

```
.text, #text, p{  
    color:rgb(242, 214, 191)  
}
```

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(242, 214, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 214, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7320, 0.3503, 0.3536 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(242, 214, 191) }
```

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

```
.border{ border-color:rgb(242, 214, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 214, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 214, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 214, 191);  
box-shadow:4px 4px 4px 4px rgb(242, 214,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7320, 0.3503, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 214, 191) }
```

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

```
.background{ background-color: rgb(242,  
214, 191) }
```

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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