

# Converting Colors

$Yxy(72.3575, 0.3478, 0.3544)$

Have a look what the booklet for  
Yxy(72.3575, 0.3478, 0.3544)  
contains.

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# Color

**Yxy(72.3532, 0.3482, 0.3545)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2D9C1
RGB	242, 217, 193
RGB Percent	95%, 85%, 76%
CMY	0.0508, 0.1491, 0.2431
CMYK	0.00, 0.10, 0.20, 0.05
HSL	29°, 65%, 85%
HSV	29°, 20%, 95%
XYZ	71.0674, 72.3532, 60.6787
YIQ	221.7390, 22.6040, -2.1640

# Conversions

## Conversions Part 2

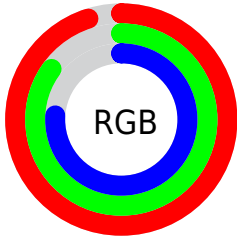
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 240, 193
Decimal	15915457
CIE <sub>Lab</sub>	88.14, 4.94, 14.96
CIE <sub>LCh</sub>	88, 15.760, 71.715
Yxy	72.3532, 0.3482, 0.3545
Android (android.graphics.Color)	4294105537 (0xFFFF2D9C1)
YUV	221.7390, -14.1683, 17.7689
Hunter-Lab	85.0607, 0.2788, 17.2475

# Details

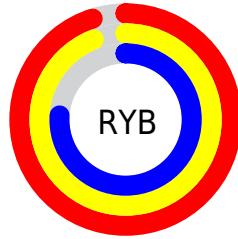
The Yxy color **72.3532, 0.3482, 0.3545** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **67.9269, 0.2807, 0.3021**, and the grayscale version is **72.9483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **38.0190, 0.3567, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **65.2254, 0.3695, 0.3678**, and if you desaturate by 10%, it is **80.1420, 0.3295, 0.3416**.

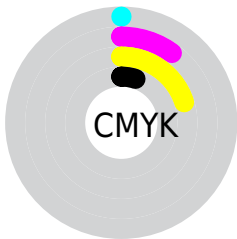
# Distribution



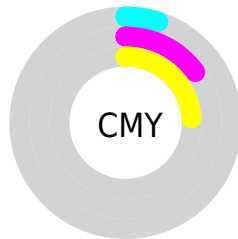
- Red (95%)
- Green (85%)
- Blue (76%)



- Red (95%)
- Yellow (94%)
- Blue (76%)



- Cyan (0%)
- Magenta (10%)
- Yellow (20%)
- Black (5%)




- Cyan (5%)
- Magenta (15%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3532, 0.3482, 0.3545 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 72.3532, 0.3482, 0.3545 by changing the saturation by 10% instead.




 72.3532, 0.3482,  
0.3545

 72.3532, 0.3482,  
0.3545

468.7700, 0.3317,  
0.3429

 53.4473, 0.3520,  
0.3571


 122.5586, 0.3425,  
0.3505

 38.1599, 0.3567,  
0.3603


154.6268, 0.3402,  
0.3489

 26.1068, 0.3626,  
0.3643


191.8512, 0.3383,  
0.3476

 16.9036, 0.3704,  
0.3695

234.6161, 0.3366,  
0.3464

 10.1658, 0.3810,  
0.3764

283.3061, 0.3352,  
0.3453

 5.5090, 0.3962,  
0.3859

338.3055, 0.3339,

 2.5489, 0.4196,

0.3444

0.3998

399.9987, 0.3327,  
0.3436

0.9010, 0.5221,  
0.4779

0.0000, 0.0000,  
0.0000

72.3532, 0.3482,  
0.3545

72.3532, 0.3482,  
0.3545

65.2254, 0.3695,  
0.3678

80.1420, 0.3295,  
0.3416

58.7298, 0.3933,  
0.3811

88.6001, 0.3131,  
0.3293

52.8497, 0.4195,  
0.3934

97.0447, 0.3048,  
0.3281

47.5636, 0.4473,  
0.4039

97.6242, 0.3048,  
0.3290

■ 42.8486, 0.4756,  
0.4113

■ 38.6795, 0.5027,  
0.4141

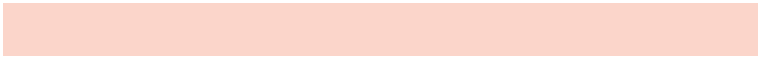
■ 35.0283, 0.5268,  
0.4116

■ 31.9307, 0.5464,  
0.4043

# Harmonies

## Analogous

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



72.3532, 0.3498, 0.3406



72.3532, 0.3482, 0.3545



72.3532, 0.3368, 0.3621

# Triad

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



72.3532, 0.3482, 0.3545



72.3532, 0.2849, 0.3329



72.3532, 0.3054, 0.2998

# Complementary

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



72.3532, 0.3482, 0.3545



67.9269, 0.2807, 0.3021

# 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.



72.3532, 0.2885, 0.2971



72.3532, 0.3482, 0.3545



72.3532, 0.2770, 0.3156

# Square

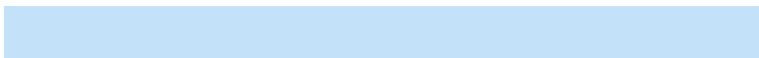
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3532, 0.3482, 0.3545



72.3532, 0.3002, 0.3497



72.3532, 0.2783, 0.3027



72.3532, 0.3247, 0.3096



# Rectangle

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



72.3532, 0.3482, 0.3545



72.3532, 0.3255, 0.3621



72.3532, 0.2783, 0.3027



72.3532, 0.2992, 0.2980

# Sweetspot

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



72.3565, 0.3482, 0.3545



94.1670, 0.3223, 0.3363



62.1100, 0.3329, 0.3023



20.0233, 0.3233, 0.3371



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.



72.3565, 0.3482, 0.3545



78.3137, 0.3560, 0.3596



85.7774, 0.3434, 0.3788



17.0353, 0.3281, 0.3406



17.4192, 0.5438, 0.4064



1.6477, 0.5231, 0.4228

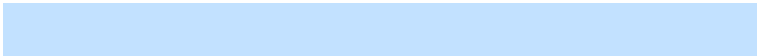


# Inverse Universe

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



67.9269, 0.2807, 0.3021



72.5498, 0.2745, 0.2964



56.2605, 0.2789, 0.2739



16.5641, 0.2980, 0.3172



11.4143, 0.1782, 0.1615

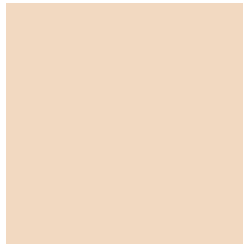


1.1488, 0.1847, 0.1849



# Previews

## White Background



This preview shows how the Yxy color 72.3532, 0.3482, 0.3545 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 72.3532, 0.3482, 0.3545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

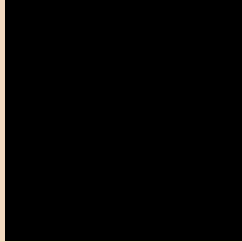
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.3532, 0.3482, 0.3545**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3532, 0.3482, 0.3545.



This preview shows how white text looks on a background with the Yxy color 72.3532, 0.3482, 0.3545.

# 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

72.3532, 0.3482, 0.3545

### Protanopia

72.6420, 0.3377, 0.3573

### Deuteranopia

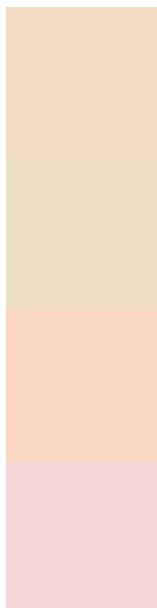
72.1790, 0.3560, 0.3488



## Tritanopia

72.2812, 0.3268, 0.3126

# Trichromacy



## Original Color

72.3532, 0.3482, 0.3545

## Protanomaly

72.7436, 0.3416, 0.3570

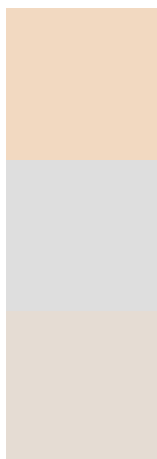
## Deuteranomaly

71.9446, 0.3527, 0.3500

## Tritanomaly

72.4119, 0.3351, 0.3280

# Monochromacy



## Original Color

72.3532, 0.3482, 0.3545

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.5476, 0.3253, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3532, 0.3482, 0.3545 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, 217, 193)` looks like.

```
.text, #text, p{  
    color:rgb(242, 217, 193)  
}
```

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, 217, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 217, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3532, 0.3482, 0.3545 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, 217, 193) }
```

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

```
.border{ border-color:rgb(242, 217, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 217, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 217, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 217, 193);  
box-shadow:4px 4px 4px 4px rgb(242, 217,  
193) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.3532, 0.3482, 0.3545$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 217, 193) }
```

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

```
.background{ background-color: rgb(242,  
217, 193) }
```

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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