

# Converting Colors

$Yxy(72.8257, 0.3308, 0.3716)$

Have a look what the booklet for  
Yxy(72.8257, 0.3308, 0.3716)  
contains.

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# Color

**Yxy(72.7753, 0.3313, 0.3716)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9E2BC
RGB	217, 226, 188
RGB Percent	85%, 89%, 74%
CMY	0.1491, 0.1137, 0.2629
CMYK	0.04, 0.00, 0.17, 0.11
HSL	74°, 40%, 81%
HSV	74°, 17%, 89%
XYZ	64.8828, 72.7753, 58.1850
YIQ	218.9770, 6.8340, -13.7260

# Conversions

## Conversions Part 2

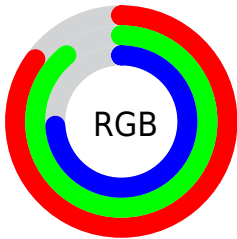
Format	Color
<a href="#">RYB</a>	<a href="#">188, 226, 197</a>
Decimal	<a href="#">14279356</a>
CIELab	<a href="#">88.34, -9.49, 17.60</a>
CIELCh	<a href="#">88, 19.996, 118.340</a>
Yxy	<a href="#">72.7753, 0.3313, 0.3716</a>
Android (android.graphics.Color)	<a href="#">4292469436 (0xFFD9E2BC)</a>
YUV	<a href="#">218.9770, -15.2717, -1.7338</a>
Hunter-Lab	<a href="#">85.3084, -13.5285, 19.2769</a>

# Details

The Yxy color **72.7753, 0.3313, 0.3716** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.3136, 0.2920, 0.2845**, and the grayscale version is **70.9250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **38.5565, 0.3351, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **71.0708, 0.3423, 0.3984**, and if you desaturate by 10%, it is **74.6655, 0.3202, 0.3458**.

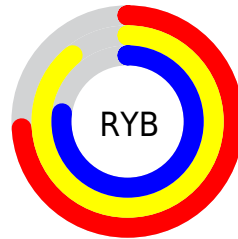
# Distribution



Red (85%)

Green (89%)

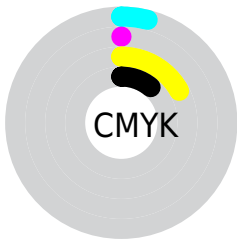
Blue (74%)



Red (74%)

Yellow (89%)

Blue (77%)

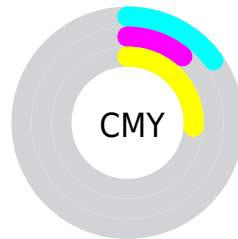


Cyan (4%)

Magenta (0%)

Yellow (17%)

Black (11%)



Cyan (15%)

Magenta (11%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7753, 0.3313, 0.3716 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 72.7753, 0.3313, 0.3716 by changing the saturation by 10% instead.




 72.7753, 0.3313,  
0.3716

 72.7753, 0.3313,  
0.3716


470.2357, 0.3229,  
0.3515

 53.7922, 0.3332,  
0.3763


 123.1582, 0.3284,  
0.3646

 38.4356, 0.3354,  
0.3821


155.3268, 0.3273,  
0.3619

 26.3209, 0.3383,  
0.3895


192.6594, 0.3263,  
0.3595

 17.0639, 0.3418,  
0.3993

235.5403, 0.3255,  
0.3575

 10.2801, 0.3465,  
0.4127

284.3540, 0.3247,  
0.3557

 5.5850, 0.3528,  
0.4324

339.4849, 0.3240,

 2.5944, 0.3612,

0.3542

0.4636

401.3173, 0.3234,  
0.3528

0.9239, 0.4115,  
0.5885

0.0000, 0.0000,  
0.0000

72.7753, 0.3313,  
0.3716

72.7753, 0.3313,  
0.3716

71.0708, 0.3423,  
0.3984

74.6655, 0.3202,  
0.3458

69.5351, 0.3528,  
0.4253

76.7388, 0.3093,  
0.3215


68.1634, 0.3622,  
0.4516

78.9549, 0.2993,  
0.2996


66.9473, 0.3700,  
0.4761


79.8714, 0.3029,  
0.2999

 65.8772, 0.3758,  
0.4977

 80.8156, 0.3065,  
0.3002

 64.9423, 0.3792,  
0.5152


 81.7876, 0.3101,  
0.3006

 64.1301, 0.3799,  
0.5282

 82.7877, 0.3137,  
0.3009

 63.4247, 0.3782,  
0.5364

 82.8793, 0.3140,  
0.3009

 63.2151, 0.3774,  
0.5385

# Harmonies

## Analogous

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



72.7753, 0.3509, 0.3678



72.7753, 0.3313, 0.3716



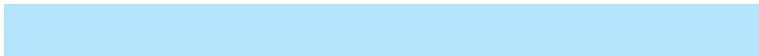
72.7753, 0.3072, 0.3629

# Triad

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



72.7753, 0.3313, 0.3716



72.7753, 0.2672, 0.3018



72.7753, 0.3403, 0.3142

# Complementary

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



72.7753, 0.3313, 0.3716



53.3136, 0.2920, 0.2845

# Split Complementary

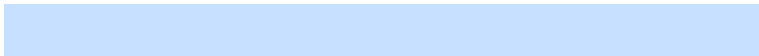
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7753, 0.3169, 0.2982



72.7753, 0.3313, 0.3716



72.7753, 0.2752, 0.2907

# Square

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



72.7753, 0.3313, 0.3716



72.7753, 0.2708, 0.3212



72.7753, 0.2931, 0.2896



72.7753, 0.3565, 0.3342



# Rectangle

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



72.7753, 0.3313, 0.3716



72.7753, 0.2919, 0.3510



72.7753, 0.2931, 0.2896



72.7753, 0.3330, 0.3083

# Sweetspot

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



72.7785, 0.3313, 0.3716



98.6367, 0.3182, 0.3413



59.6622, 0.3432, 0.3391



21.0724, 0.3190, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

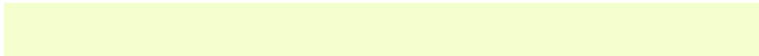


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7785, 0.3313, 0.3716



94.9169, 0.3350, 0.3804



70.0498, 0.3177, 0.3734



15.8572, 0.3231, 0.3524



36.1168, 0.3781, 0.5380



2.5434, 0.3847, 0.5327



# Inverse Universe

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



53.3136, 0.2920, 0.2845



65.0196, 0.2874, 0.2748



56.0229, 0.3066, 0.2864



13.3994, 0.3017, 0.3050



3.6193, 0.1635, 0.0674

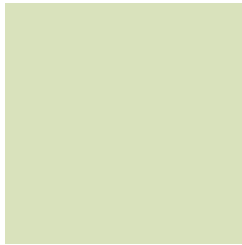


0.2917, 0.1788, 0.0759



# Previews

## White Background



This preview shows how the Yxy color 72.7753, 0.3313, 0.3716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

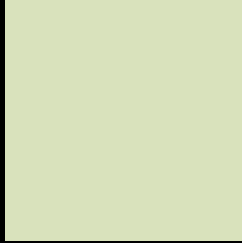
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7753, 0.3313, 0.3716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

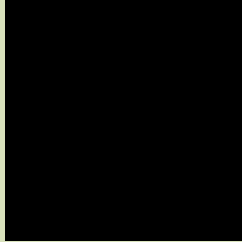
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

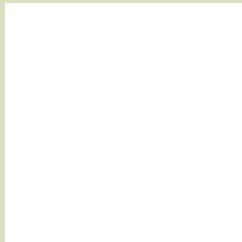
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.7753, 0.3313, 0.3716**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7753, 0.3313, 0.3716.

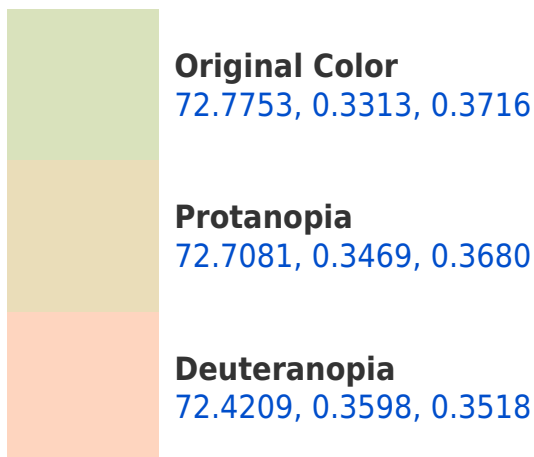


This preview shows how white text looks on a background with the Yxy color 72.7753, 0.3313, 0.3716.

# 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

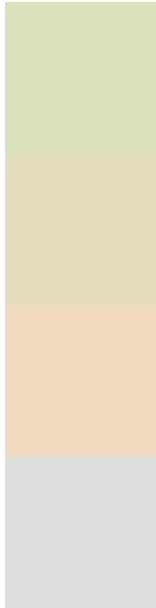




## Tritanopia

72.6248, 0.3045, 0.3099

# Trichromacy



**Original Color**

72.7753, 0.3313, 0.3716

**Protanomaly**

72.8145, 0.3413, 0.3696

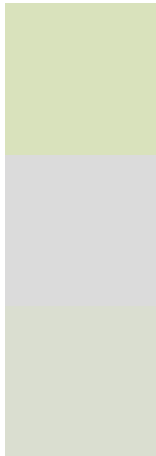
**Deuteranomaly**

72.5613, 0.3494, 0.3589

**Tritanomaly**

72.7292, 0.3140, 0.3323

# Monochromacy



**Original Color**

72.7753, 0.3313, 0.3716

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

71.7020, 0.3191, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7753, 0.3313, 0.3716 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(217, 226, 188)` looks like.

```
.text, #text, p{  
    color:rgb(217, 226, 188)  
}
```

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(217, 226, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 226, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7753, 0.3313, 0.3716 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(217, 226, 188) }
```

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

```
.border{ border-color:rgb(217, 226, 188) }
```

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

Here you see how a box with a 4 pixel rgb(217, 226, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 226, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 226, 188);  
box-shadow:4px 4px 4px 4px rgb(217, 226,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7753, 0.3313, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 226, 188) }
```

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

```
.background{ background-color: rgb(217,  
226, 188) }
```

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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