

# Converting Colors

$Yxy(70.4793, 0.3275, 0.3535)$

Have a look what the booklet for  
Yxy(70.4793, 0.3275, 0.3535)  
contains.

<b>Yxy(70.4793, 0.3275, 0.3535)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.4793, 0.3275, 0.3535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCDCC6
RGB	220, 220, 198
RGB Percent	86%, 86%, 78%
CMY	0.1374, 0.1372, 0.2234
CMYK	0.00, 0.00, 0.10, 0.14
HSL	60°, 24%, 82%
HSV	60°, 10%, 86%
XYZ	65.2955, 70.4793, 63.6008
YIQ	217.4920, 7.0620, -6.8420

# Conversions

## Conversions Part 2

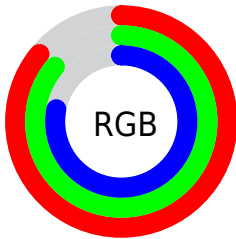
Format	Color
<a href="#">RYB</a>	<a href="#">198, 220, 198</a>
Decimal	<a href="#">14474438</a>
CIELab	<a href="#">87.23, -3.78, 10.80</a>
CIElCh	<a href="#">87, 11.443, 109.292</a>
Yxy	<a href="#">70.4793, 0.3275, 0.3535</a>
Android (android.graphics.Color)	<a href="#">4292664518 (0xFFDCDCC6)</a>
YUV	<a href="#">217.4920, -9.6096, 2.1995</a>
Hunter-Lab	<a href="#">83.9520, -8.0835, 13.8491</a>

# Details

The Yxy color **70.4793, 0.3275, 0.3535** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.5816, 0.2972, 0.3033**, and the grayscale version is **69.8064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9232, 0.3313, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **69.5321, 0.3426, 0.3786**, and if you desaturate by 10%, it is **71.5802, 0.3127, 0.3290**.

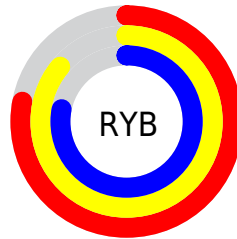
# Distribution



Red (86%)

Green (86%)

Blue (78%)



Red (78%)

Yellow (86%)

Blue (78%)

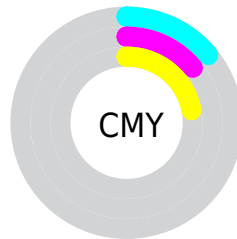


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4793, 0.3275, 0.3535 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 70.4793, 0.3275, 0.3535 by changing the saturation by 10% instead.



■ 70.4793, 0.3275,  
0.3535

■ 70.4793, 0.3275,  
0.3535

462.2311, 0.3207,  
0.3420

■ 51.9174, 0.3291,  
0.3562

119.8920, 0.3251,  
0.3495

■ 36.9392, 0.3310,  
0.3595

151.5116, 0.3242,  
0.3479

■ 25.1604, 0.3334,  
0.3637

188.2525, 0.3234,  
0.3466

■ 16.1966, 0.3366,  
0.3693

230.4992, 0.3227,  
0.3454

■ 9.6634, 0.3410,  
0.3771

278.6360, 0.3221,  
0.3444

■ 5.1764, 0.3472,  
0.3884

333.0473, 0.3216,

■ 2.3511, 0.3567,

0.3435

0.4067

394.1176, 0.3211,  
0.3427

0.8006, 0.4216,  
0.5048

0.0000, 0.0000,  
0.0000

70.4793, 0.3275,  
0.3535

70.4793, 0.3275,  
0.3535

69.5321, 0.3426,  
0.3786

71.5802, 0.3127,  
0.3290

68.7229, 0.3577,  
0.4036


72.8314, 0.2986,  
0.3056


68.0482, 0.3722,  
0.4276

73.6466, 0.2907,  
0.2925

67.5004, 0.3855,  
0.4497


73.6540, 0.2907,  
0.2925

 67.0717, 0.3970,  
0.4689


 73.6615, 0.2907,  
0.2925


 66.7529, 0.4063,  
0.4843


 73.6690, 0.2908,  
0.2925


 66.5339, 0.4129,  
0.4954

 73.6765, 0.2908,  
0.2925

 66.4024, 0.4170,  
0.5023

 73.6840, 0.2908,  
0.2925

 66.3370, 0.4189,  
0.5056

 73.6915, 0.2909,  
0.2925

# Harmonies

## Analogous

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



70.4793, 0.3372, 0.3497



70.4793, 0.3275, 0.3535



70.4793, 0.3140, 0.3504

# Triad

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



70.4793, 0.3275, 0.3535



70.4793, 0.2860, 0.3165



70.4793, 0.3249, 0.3172

# Complementary

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



70.4793, 0.3275, 0.3535



57.5816, 0.2972, 0.3033

# 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.



70.4793, 0.3110, 0.3088



70.4793, 0.3275, 0.3535



70.4793, 0.2887, 0.3081

# Square

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



70.4793, 0.3275, 0.3535



70.4793, 0.2902, 0.3287



70.4793, 0.2978, 0.3054



70.4793, 0.3357, 0.3287



# Rectangle

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



70.4793, 0.3275, 0.3535



70.4793, 0.3047, 0.3449



70.4793, 0.2978, 0.3054



70.4793, 0.3204, 0.3139

# Sweetspot

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



70.4824, 0.3275, 0.3535



99.5139, 0.3171, 0.3363



59.6943, 0.3303, 0.3291



21.2730, 0.3183, 0.3383



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.



70.4824, 0.3275, 0.3535



98.1709, 0.3307, 0.3588



68.8300, 0.3194, 0.3541



15.2624, 0.3267, 0.3521



38.9276, 0.4189, 0.5056



2.5224, 0.4190, 0.5055



# Inverse Universe

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



57.5816, 0.2972, 0.3033



76.6685, 0.2937, 0.2974



59.1243, 0.3054, 0.3039



12.6186, 0.2981, 0.3048



3.0351, 0.1501, 0.0600

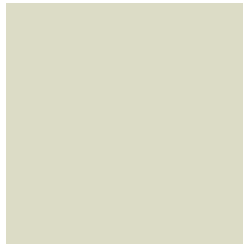


0.1971, 0.1503, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 70.4793, 0.3275, 0.3535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

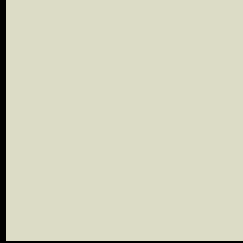
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4793, 0.3275, 0.3535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

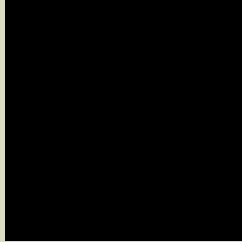
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

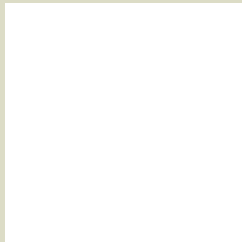
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4793, 0.3275, 0.3535**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4793, 0.3275, 0.3535.

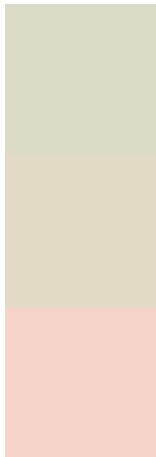


This preview shows how white text looks on a background with the Yxy color 70.4793, 0.3275, 0.3535.

# 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

70.4793, 0.3275, 0.3535

### Protanopia

70.5049, 0.3337, 0.3521

### Deuteranopia

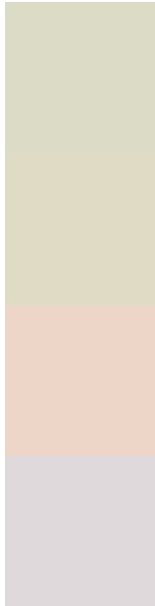
70.3515, 0.3473, 0.3407



## Tritanopia

70.4346, 0.3085, 0.3108

# Trichromacy



## Original Color

70.4793, 0.3275, 0.3535

## Protanomaly

70.5415, 0.3313, 0.3533

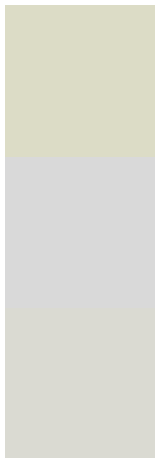
## Deuteranomaly

70.2212, 0.3405, 0.3452

## Tritanomaly

70.4810, 0.3150, 0.3257

# Monochromacy



## Original Color

70.4793, 0.3275, 0.3535

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.7014, 0.3181, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4793, 0.3275, 0.3535 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(220, 220, 198)` looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 198)  
}
```

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(220, 220, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4793, 0.3275, 0.3535 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(220, 220, 198) }
```

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

```
.border{ border-color:rgb(220, 220, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 220, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 198);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4793, 0.3275, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 220, 198) }
```

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

```
.background{ background-color: rgb(220,  
220, 198) }
```

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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