

Converting Colors

$Yxy(70.7677, 0.3251, 0.3491)$

Have a look what the booklet for
Yxy(70.7677, 0.3251, 0.3491)
contains.

Yxy(70.6663, 0.3248, 0.3490)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6663, 0.3248, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	DCDCCA
RGB	220, 220, 202
RGB Percent	86%, 86%, 79%
CMY	0.1373, 0.1372, 0.2078
CMYK	0.00, 0.00, 0.08, 0.14
HSL	60°, 20%, 83%
HSV	60°, 8%, 86%
XYZ	65.7662, 70.6663, 66.0497
YIQ	217.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

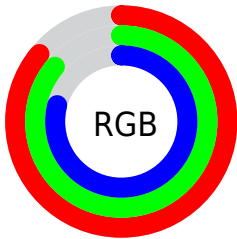
Format	Color
R _Y B	202, 220, 202
Decimal	14474442
CIE Lab	87.32, -3.12, 8.84
CIE LCh	87, 9.372, 109.420
Yxy	70.6663, 0.3248, 0.3490
Android (android.graphics.Color)	4292664522 (0xFFDCDCCA)
YUV	217.9480, -7.8624, 1.7996
Hunter-Lab	84.0632, -7.4626, 12.2593

Details

The Yxy color **70.6663, 0.3248, 0.3490** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.9681, 0.3001, 0.3082**, and the grayscale version is **70.1262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0477, 0.3277, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **69.6966, 0.3399, 0.3741**, and if you desaturate by 10%, it is **71.7908, 0.3101, 0.3247**.

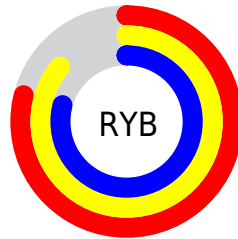
Distribution



Red (86%)

Green (86%)

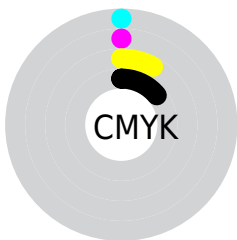
Blue (79%)



Red (79%)

Yellow (86%)

Blue (79%)

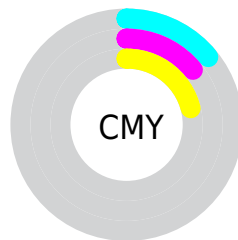


Cyan (0%)

Magenta (0%)

Yellow (8%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6663, 0.3248, 0.3490 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 70.6663, 0.3248, 0.3490 by changing the saturation by 10% instead.

■ 70.6663, 0.3248,
0.3490

■ 70.6663, 0.3248,
0.3490

462.8861, 0.3192,
0.3396

■ 52.0699, 0.3261,
0.3512

120.1585, 0.3229,
0.3457

■ 37.0608, 0.3277,
0.3539

151.8230, 0.3221,
0.3445

■ 25.2546, 0.3297,
0.3573

188.6124, 0.3215,
0.3434

■ 16.2668, 0.3323,
0.3619

230.9111, 0.3209,
0.3424

■ 9.7132, 0.3359,
0.3681

279.1034, 0.3204,
0.3416

■ 5.2092, 0.3410,
0.3774

333.5737, 0.3199,

■ 2.3705, 0.3491,

0.3409

0.3922

394.7065, 0.3196,
0.3402

0.8107, 0.3924,
0.4580

0.0000, 0.0000,
0.0000

70.6663, 0.3248,
0.3490

70.6663, 0.3248,
0.3490

69.6966, 0.3399,
0.3741

71.7908, 0.3101,
0.3247

68.8661, 0.3551,
0.3991

73.0666, 0.2961,
0.3015

68.1713, 0.3697,
0.4234

73.6365, 0.2906,
0.2925

67.6048, 0.3833,
0.4459

73.6403, 0.2907,
0.2925

67.1588, 0.3952,
0.4656

73.6441, 0.2907,
0.2925

66.8245, 0.4049,
0.4817

73.6479, 0.2907,
0.2925

66.5920, 0.4121,
0.4936

73.6516, 0.2907,
0.2925

66.4494, 0.4166,
0.5012

73.6554, 0.2907,
0.2925

66.3798, 0.4188,
0.5049

73.6592, 0.2907,
0.2925

Harmonies

Analogous

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



70.6663, 0.3327, 0.3460



70.6663, 0.3248, 0.3490



70.6663, 0.3137, 0.3464

Triad

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



70.6663, 0.3248, 0.3490



70.6663, 0.2908, 0.3188



70.6663, 0.3228, 0.3193

Complementary

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



70.6663, 0.3248, 0.3490



59.9681, 0.3001, 0.3082

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.



70.6663, 0.3114, 0.3124



70.6663, 0.3248, 0.3490



70.6663, 0.2930, 0.3119

Square

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



70.6663, 0.3248, 0.3490



70.6663, 0.2942, 0.3287



70.6663, 0.3005, 0.3096



70.6663, 0.3315, 0.3289

Rectangle

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



70.6663, 0.3248, 0.3490



70.6663, 0.3061, 0.3419



70.6663, 0.3005, 0.3096



70.6663, 0.3191, 0.3166

Sweetspot

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



70.6694, 0.3248, 0.3490



99.6748, 0.3157, 0.3339



61.7223, 0.3268, 0.3290



21.3379, 0.3155, 0.3336



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.



70.6694, 0.3248, 0.3490



98.4598, 0.3276, 0.3537



69.3050, 0.3182, 0.3494



15.2631, 0.3267, 0.3521



38.9488, 0.4191, 0.5054



2.5235, 0.4192, 0.5054

Inverse Universe

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



59.9681, 0.3001, 0.3082



80.2808, 0.2970, 0.3030



61.2583, 0.3068, 0.3086



12.6179, 0.2981, 0.3048



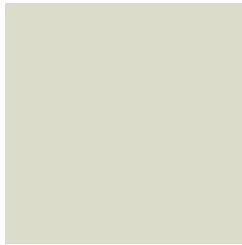
3.0339, 0.1501, 0.0600



0.1968, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 70.6663, 0.3248, 0.3490 looks on a white background.

Color Contrast Check

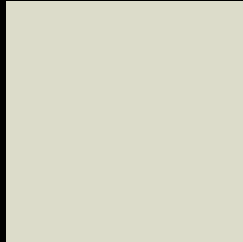
Large Text (above 18pt) WCAG AA × Fail

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 70.6663, 0.3248, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

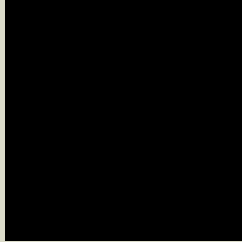
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

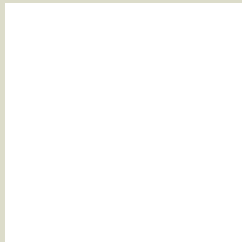
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6663, 0.3248, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 70.6663, 0.3248, 0.3490.

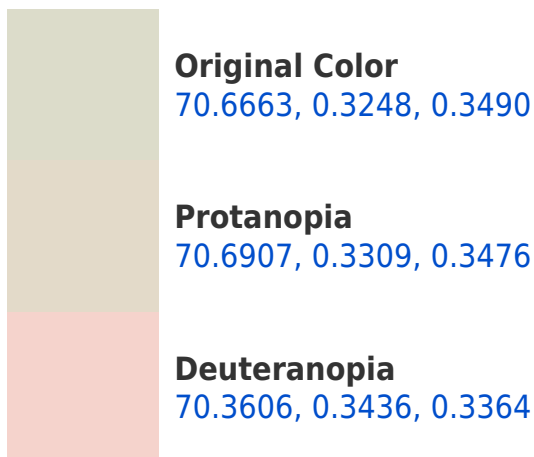


This preview shows how white text looks on a background with the Yxy color 70.6663, 0.3248, 0.3490.

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

70.8422, 0.3071, 0.3108

Trichromacy



Original Color

70.6663, 0.3248, 0.3490

Protanomaly

70.7274, 0.3286, 0.3489

Deuteranomaly

70.2378, 0.3369, 0.3409

Tritanomaly

70.5876, 0.3137, 0.3236

Monochromacy



Original Color

70.6663, 0.3248, 0.3490

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.4766, 0.3174, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6663, 0.3248, 0.3490 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(220, 220, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 220, 202) }
```

Border

The CSS property to change the border of an element to Yxy 70.6663, 0.3248, 0.3490 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, 202) }
```

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

```
.border{ border-color:rgb(220, 220, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 220, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 220, 202);  
box-shadow:4px 4px 4px 4px rgb(220, 220,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6663, 0.3248, 0.3490 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, 202) }
```

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

```
.background{ background-color: rgb(220,  
220, 202) }
```

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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