

Converting Colors

$Yxy(67.8245, 0.3350, 0.3588)$

Have a look what the booklet for
Yxy(67.8245, 0.3350, 0.3588)
contains.

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Color

Yxy(67.6472, 0.3353, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	DDD7BD
RGB	221, 215, 189
RGB Percent	87%, 84%, 74%
CMY	0.1333, 0.1568, 0.2589
CMYK	0.00, 0.03, 0.14, 0.13
HSL	49°, 32%, 80%
HSV	49°, 14%, 87%
XYZ	63.3048, 67.6472, 57.8485
YIQ	213.8300, 11.9220, -6.8140

Conversions

Conversions Part 2

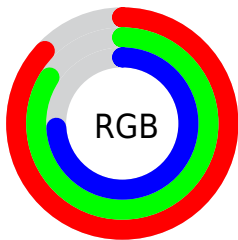
Format	Color
R _{YB}	196, 221, 189
Decimal	14538685
CIE Lab	85.83, -2.27, 13.58
CIE LCh	86, 13.772, 99.482
Yxy	67.6472, 0.3353, 0.3583
Android (android.graphics.Color)	4292728765 (0xFFDDD7BD)
YUV	213.8300, -12.2412, 6.2881
Hunter-Lab	82.2479, -6.5455, 15.8724

Details

The Yxy color **67.6472, 0.3353, 0.3583** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.0584, 0.2897, 0.2979**, and the grayscale version is **67.2043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **35.0262, 0.3407, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **64.6782, 0.3521, 0.3793**, and if you desaturate by 10%, it is **70.8219, 0.3195, 0.3379**.

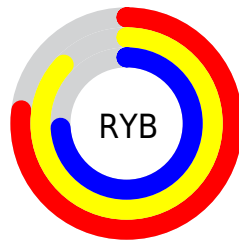
Distribution



Red (87%)

Green (84%)

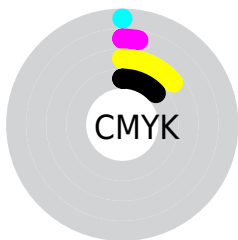
Blue (74%)



Red (77%)

Yellow (87%)

Blue (74%)

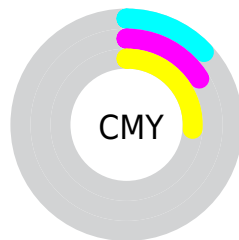


Cyan (0%)

Magenta (3%)

Yellow (14%)

Black (13%)



Cyan (13%)


Magenta (16%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6472, 0.3353, 0.3583 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 67.6472, 0.3353, 0.3583 by changing the saturation by 10% instead.


 67.6472, 0.3353,
0.3583

 67.6472, 0.3353,
0.3583

452.2450, 0.3247,
0.3445

 49.6108, 0.3377,
0.3615


 115.8473, 0.3316,
0.3535

 35.1042, 0.3407,
0.3655


146.7797, 0.3302,
0.3516

 23.7432, 0.3446,
0.3706


182.7797, 0.3290,
0.3500

 15.1432, 0.3496,
0.3774

224.2314, 0.3279,
0.3486

 8.9200, 0.3565,
0.3867

271.5195, 0.3270,
0.3474

 4.6890, 0.3664,
0.4004

325.0281, 0.3261,

 2.0660, 0.3818,

0.3463

0.4223

385.1419, 0.3254,
0.3454

0.6454, 0.4637,
0.5363

0.0000, 0.0000,
0.0000

67.6472, 0.3353,
0.3583

67.6472, 0.3353,
0.3583

64.6782, 0.3521,
0.3793

70.8219, 0.3195,
0.3379

61.8990, 0.3695,
0.4002

74.1998, 0.3048,
0.3184

59.3051, 0.3871,
0.4202

77.7725, 0.2915,
0.3004

56.8883, 0.4042,
0.4385

80.0730, 0.2916,
0.3048

■ 54.6396, 0.4201,
0.4539

■ 82.4285, 0.2917,
0.3091

■ 52.5492, 0.4340,
0.4655

■ 84.8393, 0.2919,
0.3135

■ 50.6054, 0.4453,
0.4727

■ 87.3059, 0.2920,
0.3177

■ 48.7942, 0.4536,
0.4751

■ 89.8286, 0.2921,
0.3220

■ 47.8416, 0.4573,
0.4751

■ 92.4078, 0.2922,
0.3262

Harmonies

Analogous

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



67.6472, 0.3448, 0.3511



67.6472, 0.3353, 0.3583



67.6472, 0.3198, 0.3575

Triad

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



67.6472, 0.3353, 0.3583



67.6472, 0.2810, 0.3182



67.6472, 0.3222, 0.3108

Complementary

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



67.6472, 0.3353, 0.3583



55.0584, 0.2897, 0.2979

Split Complementary

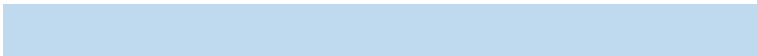
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.6472, 0.3049, 0.3024



67.6472, 0.3353, 0.3583



67.6472, 0.2815, 0.3062

Square

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



67.6472, 0.3353, 0.3583



67.6472, 0.2886, 0.3337



67.6472, 0.2901, 0.3006



67.6472, 0.3372, 0.3238

Rectangle

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



67.6472, 0.3353, 0.3583



67.6472, 0.3083, 0.3522



67.6472, 0.2901, 0.3006



67.6472, 0.3164, 0.3073

Sweetspot

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



67.6502, 0.3353, 0.3583



98.1460, 0.3188, 0.3370



55.7151, 0.3344, 0.3217



20.9338, 0.3199, 0.3385



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.



67.6502, 0.3353, 0.3583



92.4381, 0.3396, 0.3638



69.3008, 0.3272, 0.3656



14.8270, 0.3271, 0.3479



27.9448, 0.4566, 0.4756



1.9199, 0.4495, 0.4813

Inverse Universe

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



55.0584, 0.2897, 0.2979



72.2358, 0.2852, 0.2916



53.6901, 0.2968, 0.2914



13.0103, 0.2981, 0.3094



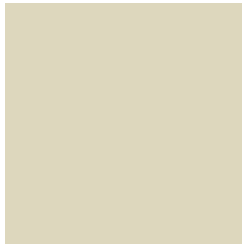
4.0938, 0.1551, 0.0783



0.3833, 0.1630, 0.1069

Previews

White Background



This preview shows how the Yxy color 67.6472, 0.3353, 0.3583 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 67.6472, 0.3353, 0.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

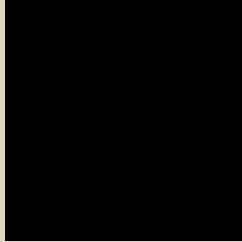
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

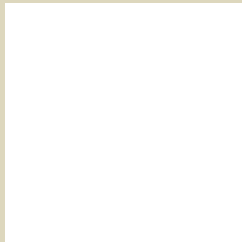
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6472, 0.3353, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 67.6472, 0.3353, 0.3583.

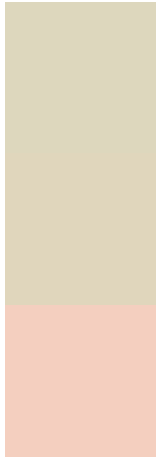


This preview shows how white text looks on a background with the Yxy color 67.6472, 0.3353, 0.3583.

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

67.6472, 0.3353, 0.3583

Protanopia

67.5713, 0.3385, 0.3581

Deuteranopia

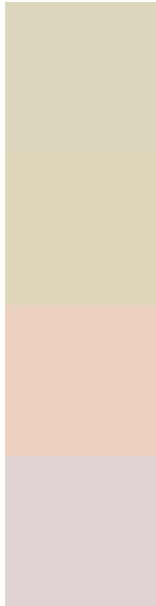
67.6203, 0.3533, 0.3462



Tritanopia

67.7529, 0.3135, 0.3118

Trichromacy



Original Color

67.6472, 0.3353, 0.3583

Protanomaly

67.4120, 0.3377, 0.3582

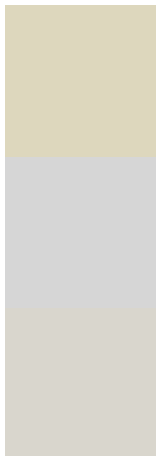
Deuteranomaly

67.6438, 0.3471, 0.3508

Tritanomaly

67.7384, 0.3209, 0.3279

Monochromacy



Original Color

67.6472, 0.3353, 0.3583

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.2526, 0.3211, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6472, 0.3353, 0.3583 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(221, 215, 189)` looks like.

```
.text, #text, p{  
    color:rgb(221, 215, 189)  
}
```

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(221, 215, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 215, 189) }
```

Border

The CSS property to change the border of an element to Yxy 67.6472, 0.3353, 0.3583 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(221, 215, 189) }
```

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

```
.border{ border-color:rgb(221, 215, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 215, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 215, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 215, 189);  
box-shadow:4px 4px 4px 4px rgb(221, 215,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6472, 0.3353, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 215, 189) }
```

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

```
.background{ background-color: rgb(221,  
215, 189) }
```

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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