

Converting Colors

$Yxy(67.8376, 0.3486, 0.3794)$

Have a look what the booklet for
Yxy(67.8376, 0.3486, 0.3794)
contains.

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Color

Yxy(67.7783, 0.3487, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	DFD8AC
RGB	223, 216, 172
RGB Percent	87%, 85%, 67%
CMY	0.1256, 0.1529, 0.3255
CMYK	0.00, 0.03, 0.23, 0.13
HSL	52°, 44%, 77%
HSV	52°, 23%, 87%
XYZ	62.4255, 67.7783, 48.8197
YIQ	213.0770, 18.2960, -12.2000

Conversions

Conversions Part 2

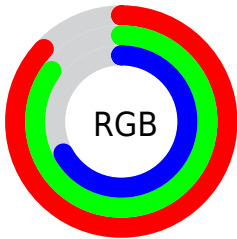
Format	Color
RYB	180, 223, 172
Decimal	14669996
CIELab	85.90, -4.58, 22.61
CIELCh	86, 23.065, 101.461
Yxy	67.7783, 0.3487, 0.3786
Android (android.graphics.Color)	4292860076 (0xFFDFD8AC)
YUV	213.0770, -20.2510, 8.7025
Hunter-Lab	82.3276, -8.7243, 22.4707

Details

The Yxy color **67.7783, 0.3487, 0.3786** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.3150, 0.2747, 0.2740**, and the grayscale version is **66.7213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **35.0371, 0.3574, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **65.4517, 0.3654, 0.4007**, and if you desaturate by 10%, it is **70.2835, 0.3324, 0.3565**.

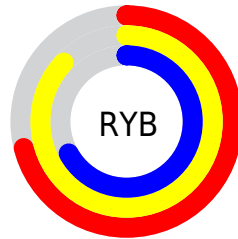
Distribution



Red (87%)

Green (85%)

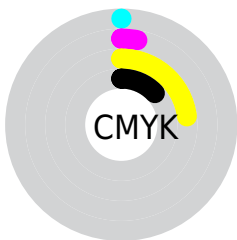
Blue (67%)



Red (71%)

Yellow (87%)

Blue (67%)

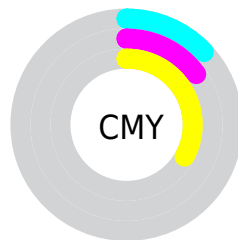


Cyan (0%)

Magenta (3%)

Yellow (23%)

Black (13%)



Cyan (13%)


Magenta (15%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7783, 0.3487, 0.3786 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 67.7783, 0.3487, 0.3786 by changing the saturation by 10% instead.


 67.7783, 0.3487,
0.3786

 67.7783, 0.3487,
0.3786


452.7101, 0.3320,
0.3552

 49.7174, 0.3525,
0.3840


 116.0349, 0.3429,
0.3704

 35.1889, 0.3571,
0.3908


146.9994, 0.3407,
0.3672

 23.8084, 0.3630,
0.3993


183.0339, 0.3387,
0.3645

 15.1916, 0.3705,
0.4106

224.5228, 0.3370,
0.3622

 8.9539, 0.3805,
0.4259

271.8505, 0.3356,
0.3601

 4.7112, 0.3940,
0.4478

325.4013, 0.3343,

 2.0788, 0.4250,

0.3583

0.4950

385.5597, 0.3331,
0.3567

0.6527, 0.4379,
0.5621

0.0000, 0.0000,
0.0000

67.7783, 0.3487,
0.3786

67.7783, 0.3487,
0.3786

65.4517, 0.3654,
0.4007

70.2835, 0.3324,
0.3565

63.2873, 0.3820,
0.4219

72.9651, 0.3170,
0.3350

61.2802, 0.3980,
0.4413

75.8324, 0.3025,
0.3145

59.4217, 0.4126,
0.4580

78.4868, 0.2928,
0.3013

■ 57.7020, 0.4251,
0.4709

■ 80.1760, 0.2928,
0.3045

■ 56.1099, 0.4351,
0.4795

■ 81.8948, 0.2929,
0.3077

■ 54.6319, 0.4422,
0.4835

■ 83.6432, 0.2930,
0.3108

■ 53.6306, 0.4459,
0.4841

■ 85.4216, 0.2931,
0.3140

■ 87.2299, 0.2932,
0.3171

Harmonies

Analogous

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



67.7783, 0.3659, 0.3664



67.7783, 0.3487, 0.3786



67.7783, 0.3222, 0.3770

Triad

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



67.7783, 0.3487, 0.3786



67.7783, 0.2600, 0.3086



67.7783, 0.3302, 0.3002

Complementary

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



67.7783, 0.3487, 0.3786



46.3150, 0.2747, 0.2740

Split Complementary

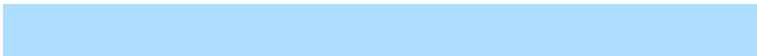
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.7783, 0.3012, 0.2860



67.7783, 0.3487, 0.3786



67.7783, 0.2618, 0.2897

Square

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



67.7783, 0.3487, 0.3786



67.7783, 0.2715, 0.3347



67.7783, 0.2765, 0.2820



67.7783, 0.3552, 0.3215

Rectangle

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



67.7783, 0.3487, 0.3786



67.7783, 0.3031, 0.3675



67.7783, 0.2765, 0.2820



67.7783, 0.3205, 0.2945

Sweetspot

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



67.7813, 0.3487, 0.3786



97.3602, 0.3233, 0.3439



48.4673, 0.3526, 0.3202



20.7916, 0.3243, 0.3452



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.



67.7813, 0.3487, 0.3786



90.4876, 0.3559, 0.3882



68.7329, 0.3336, 0.3884



15.6941, 0.3271, 0.3491



31.6677, 0.4455, 0.4845



2.2843, 0.4408, 0.4882

Inverse Universe

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



46.3150, 0.2747, 0.2740



56.9494, 0.2666, 0.2619



45.7559, 0.2880, 0.2675



13.5431, 0.2981, 0.3081



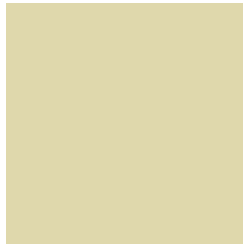
3.7855, 0.1531, 0.0710



0.3605, 0.1593, 0.0935

Previews

White Background



This preview shows how the Yxy color 67.7783, 0.3487, 0.3786 looks on a white background.

Color Contrast Check

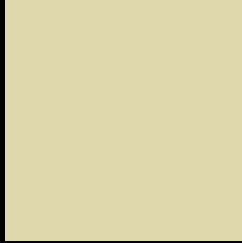
Large Text (above 18pt) WCAG AA × Fail

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 67.7783, 0.3487, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

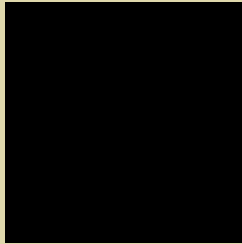
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

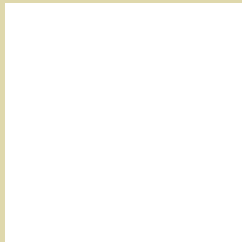
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7783, 0.3487, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 67.7783, 0.3487, 0.3786.



This preview shows how white text looks on a background with the Yxy color 67.7783, 0.3487, 0.3786.

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

67.7783, 0.3487, 0.3786

Protanopia

67.5274, 0.3539, 0.3770

Deuteranopia

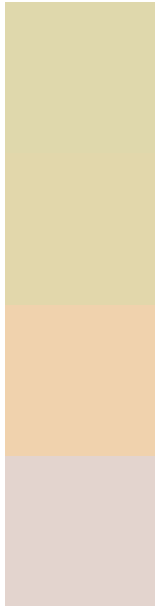
67.5226, 0.3715, 0.3628



Tritanopia

67.8602, 0.3172, 0.3119

Trichromacy



Original Color

67.7783, 0.3487, 0.3786

Protanomaly

67.7099, 0.3520, 0.3783

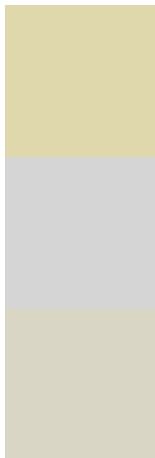
Deuteranomaly

67.6356, 0.3630, 0.3691

Tritanomaly

67.8741, 0.3282, 0.3356

Monochromacy



Original Color

67.7783, 0.3487, 0.3786

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.9221, 0.3260, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7783, 0.3487, 0.3786 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(223, 216, 172)` looks like.

```
.text, #text, p{  
    color:rgb(223, 216, 172)  
}
```

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(223, 216, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 216, 172) }
```

Border

The CSS property to change the border of an element to Yxy 67.7783, 0.3487, 0.3786 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(223, 216, 172) }
```

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

```
.border{ border-color:rgb(223, 216, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 216, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 216, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 216, 172); box-shadow:4px 4px 4px 4px rgb(223, 216, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7783, 0.3487, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 216, 172) }
```

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

```
.background{ background-color: rgb(223,  
216, 172) }
```

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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