

Converting Colors

$Yxy(69.7874, 0.3323, 0.3917)$

Have a look what the booklet for
Yxy(69.7874, 0.3323, 0.3917)
contains.

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Color

Yxy(69.6664, 0.3325, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	CCE1AC
RGB	204, 225, 172
RGB Percent	80%, 88%, 67%
CMY	0.1997, 0.1177, 0.3254
CMYK	0.09, 0.00, 0.24, 0.12
HSL	84°, 47%, 78%
HSV	84°, 24%, 88%
XYZ	59.2887, 69.6664, 49.3567
YIQ	212.6790, 4.4970, -20.9350

Conversions

Conversions Part 2

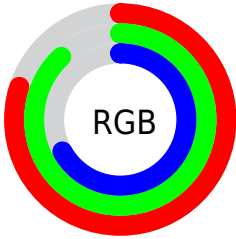
Format	Color
RYB	172, 225, 193
Decimal	13427116
CIELab	86.83, -16.03, 23.66
CIElCh	87, 28.581, 124.114
Yxy	69.6664, 0.3325, 0.3907
Android (android.graphics.Color)	4291617196 (0xFFCCE1AC)
YUV	212.6790, -20.0547, -7.6115
Hunter-Lab	83.4664, -19.2724, 23.3662

Details

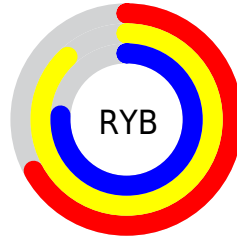
The Yxy color **69.6664, 0.3325, 0.3907** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.2727, 0.2890, 0.2658**, and the grayscale version is **66.4576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **36.4709, 0.3364, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **67.6566, 0.3404, 0.4192**, and if you desaturate by 10%, it is **71.9002, 0.3242, 0.3634**.

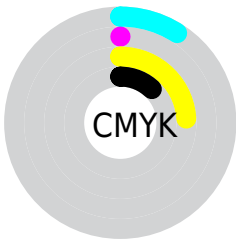
Distribution



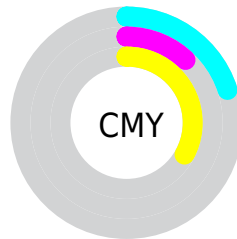
- Red (80%)
- Green (88%)
- Blue (67%)



- Red (67%)
- Yellow (88%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6664, 0.3325, 0.3907 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 69.6664, 0.3325, 0.3907 by changing the saturation by 10% instead.


 69.6664, 0.3325,
0.3907

 69.6664, 0.3325,
0.3907


459.3778, 0.3238,
0.3611

 51.2546, 0.3344,
0.3977


 118.7329, 0.3296,
0.3802

 36.4113, 0.3366,
0.4064


150.1564, 0.3284,
0.3762

 24.7520, 0.3392,
0.4177


186.6859, 0.3274,
0.3728

 15.8924, 0.3424,
0.4326

228.7059, 0.3265,
0.3698

 9.4480, 0.3463,
0.4535

276.6006, 0.3257,
0.3673

 5.0346, 0.3504,
0.4841


330.7546, 0.3250,


 2.2676, 0.3625,

0.3650

0.5471

391.5522, 0.3243,
0.3629


 0.7565, 0.3023,
0.6977


 0.0000, 0.0000,
0.0000


 69.6664, 0.3325,
0.3907


 69.6664, 0.3325,
0.3907


 67.6566, 0.3404,
0.4192


 71.9002, 0.3242,
0.3634


 65.8532, 0.3474,
0.4479


 74.3570, 0.3157,
0.3377


 64.2499, 0.3530,
0.4758


 77.0472, 0.3074,
0.3139

 62.8368, 0.3568,
0.5015


 79.5186, 0.3037,
0.2990


 61.6026, 0.3583,
0.5237

 81.1080, 0.3096,
0.2995

 60.5346, 0.3574,
0.5413

 82.3229, 0.3141,
0.2999

 59.6175, 0.3542,
0.5536

 59.0907, 0.3512,
0.5593

Harmonies

Analogous

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



69.6664, 0.3632, 0.3875



69.6664, 0.3325, 0.3907



69.6664, 0.2976, 0.3746

Triad

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



69.6664, 0.3325, 0.3907



69.6664, 0.2488, 0.2851



69.6664, 0.3584, 0.3128

Complementary

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



69.6664, 0.3325, 0.3907



46.2727, 0.2890, 0.2658

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.



69.6664, 0.3252, 0.2889



69.6664, 0.3325, 0.3907



69.6664, 0.2628, 0.2727

Square

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



69.6664, 0.3325, 0.3907



69.6664, 0.2505, 0.3108



69.6664, 0.2903, 0.2745



69.6664, 0.3791, 0.3413

Rectangle

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



69.6664, 0.3325, 0.3907



69.6664, 0.2768, 0.3553



69.6664, 0.2903, 0.2745



69.6664, 0.3482, 0.3040

Sweetspot

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



69.6694, 0.3325, 0.3907



97.5910, 0.3187, 0.3464



56.8236, 0.3561, 0.3525



20.8456, 0.3192, 0.3480



0.0000, 0.0000, 0.0000



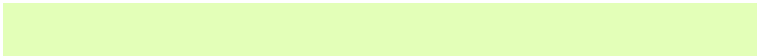
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6694, 0.3325, 0.3907



91.2641, 0.3362, 0.4038



66.3097, 0.3139, 0.3944



15.7455, 0.3207, 0.3526



34.1250, 0.3522, 0.5586



2.4168, 0.3624, 0.5504

Inverse Universe

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



46.2727, 0.2890, 0.2658



55.3007, 0.2834, 0.2519



49.9749, 0.3103, 0.2697



13.5059, 0.3042, 0.3052



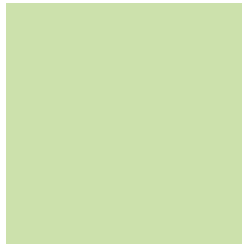
4.4149, 0.1840, 0.0787



0.3569, 0.2014, 0.0883

Previews

White Background



This preview shows how the Yxy color 69.6664, 0.3325, 0.3907 looks on a white background.

Color Contrast Check

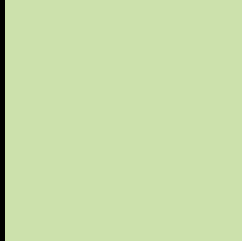
Large Text (above 18pt) WCAG AA × Fail

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 69.6664, 0.3325, 0.3907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

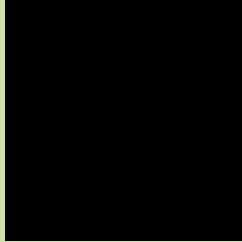
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

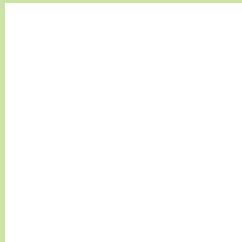
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6664, 0.3325, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 69.6664, 0.3325, 0.3907.

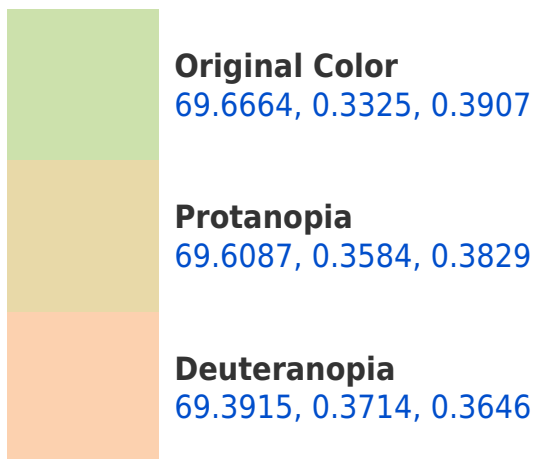


This preview shows how white text looks on a background with the Yxy color 69.6664, 0.3325, 0.3907.

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

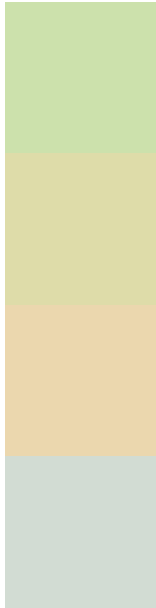




Tritanopia

69.7124, 0.2988, 0.3104

Trichromacy



Original Color

69.6664, 0.3325, 0.3907

Protanomaly

69.5806, 0.3491, 0.3863

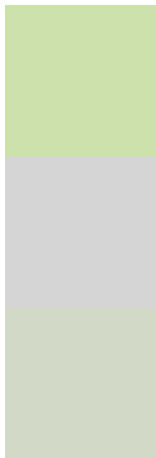
Deuteranomaly

69.3190, 0.3570, 0.3738

Tritanomaly

69.5912, 0.3115, 0.3391

Monochromacy



Original Color

69.6664, 0.3325, 0.3907

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.4046, 0.3205, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6664, 0.3325, 0.3907 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(204, 225, 172)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 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(204, 225, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 172) }
```

Border

The CSS property to change the border of an element to Yxy 69.6664, 0.3325, 0.3907 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(204, 225, 172) }
```

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

```
.border{ border-color:rgb(204, 225, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 172);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6664, 0.3325, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 172) }
```

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

```
.background{ background-color: rgb(204,  
225, 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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