

Converting Colors

$Yxy(68.1140, 0.3301, 0.3588)$

Have a look what the booklet for
Yxy(68.1140, 0.3301, 0.3588)
contains.

Yxy(67.9862, 0.3298, 0.3585)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.9862, 0.3298, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	D8D9BF
RGB	216, 217, 191
RGB Percent	85%, 85%, 75%
CMY	0.1528, 0.1490, 0.2510
CMYK	0.00, 0.00, 0.12, 0.15
HSL	62°, 25%, 80%
HSV	62°, 12%, 85%
XYZ	62.5435, 67.9862, 59.1110
YIQ	213.7370, 7.7500, -8.2980

Conversions

Conversions Part 2

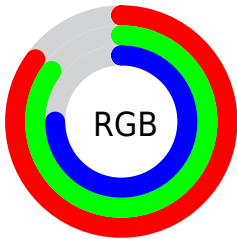
Format	Color
RYB	191, 217, 192
Decimal	14211519
CIELab	86.00, -4.76, 12.71
CIELCh	86, 13.568, 110.528
Yxy	67.9862, 0.3298, 0.3585
Android (android.graphics.Color)	4292401599 (0xFFD8D9BF)
YUV	213.7370, -11.2093, 1.9847
Hunter-Lab	82.4537, -8.8967, 15.2127

Details

The Yxy color **67.9862, 0.3298, 0.3585** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.4672, 0.2945, 0.2978**, and the grayscale version is **67.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **35.2527, 0.3334, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **66.9825, 0.3444, 0.3838**, and if you desaturate by 10%, it is **69.1380, 0.3155, 0.3338**.

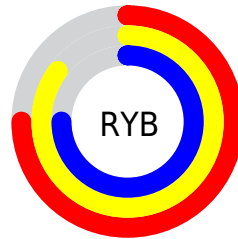
Distribution



Red (85%)

Green (85%)

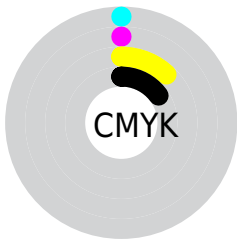
Blue (75%)



Red (75%)

Yellow (85%)

Blue (75%)

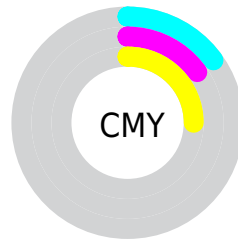


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (15%)



Cyan (15%)


Magenta (15%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9862, 0.3298, 0.3585 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 67.9862, 0.3298, 0.3585 by changing the saturation by 10% instead.


 67.9862, 0.3298,
0.3585

 67.9862, 0.3298,
0.3585


453.4471, 0.3219,
0.3445

 49.8865, 0.3316,
0.3618


 116.3324, 0.3270,
0.3536

 35.3232, 0.3339,
0.3658


147.3477, 0.3260,
0.3517

 23.9120, 0.3367,
0.3711


183.4370, 0.3250,
0.3501

 15.2683, 0.3404,
0.3780

224.9847, 0.3242,
0.3487

 9.0079, 0.3455,
0.3877

272.3751, 0.3235,
0.3475

 4.7464, 0.3527,
0.4020

325.9928, 0.3229,

 2.0992, 0.3637,

0.3464

0.4252

386.2220, 0.3224,
0.3454

0.6642, 0.4368,
0.5632

0.0000, 0.0000,
0.0000

67.9862, 0.3298,
0.3585

67.9862, 0.3298,
0.3585

66.9825, 0.3444,
0.3838

69.1380, 0.3155,
0.3338

66.1117, 0.3587,
0.4090

70.4348, 0.3018,
0.3102

65.3702, 0.3724,
0.4331

71.8146, 0.2895,
0.2891

64.7507, 0.3847,
0.4552

71.9380, 0.2900,
0.2892

64.2454, 0.3952,
0.4744

72.0620, 0.2905,
0.2892

63.8452, 0.4034,
0.4897

72.1865, 0.2911,
0.2893

63.5401, 0.4089,
0.5008

72.3117, 0.2916,
0.2894

63.3178, 0.4119,
0.5074

72.4375, 0.2921,
0.2894

63.1827, 0.4129,
0.5104

72.5638, 0.2926,
0.2895

Harmonies

Analogous

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



67.9862, 0.3418, 0.3541



67.9862, 0.3298, 0.3585



67.9862, 0.3135, 0.3545

Triad

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



67.9862, 0.3298, 0.3585



67.9862, 0.2807, 0.3134



67.9862, 0.3280, 0.3154

Complementary

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



67.9862, 0.3298, 0.3585



53.4672, 0.2945, 0.2978

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.



67.9862, 0.3113, 0.3052



67.9862, 0.3298, 0.3585



67.9862, 0.2843, 0.3037

Square

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



67.9862, 0.3298, 0.3585



67.9862, 0.2854, 0.3279



67.9862, 0.2953, 0.3008



67.9862, 0.3408, 0.3292

Rectangle

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



67.9862, 0.3298, 0.3585



67.9862, 0.3024, 0.3476



67.9862, 0.2953, 0.3008



67.9862, 0.3226, 0.3114

Sweetspot

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



67.9892, 0.3298, 0.3585



99.2894, 0.3184, 0.3388



56.1495, 0.3341, 0.3301



21.2242, 0.3195, 0.3406



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.



67.9892, 0.3298, 0.3585



97.6626, 0.3329, 0.3639



66.0984, 0.3201, 0.3594



15.2383, 0.3261, 0.3521



38.2602, 0.4130, 0.5103



2.4864, 0.4141, 0.5094

Inverse Universe

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



53.4672, 0.2945, 0.2978



73.3507, 0.2910, 0.2917



55.2269, 0.3045, 0.2988



12.6399, 0.2987, 0.3049



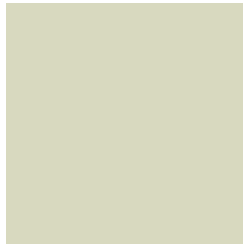
3.0737, 0.1512, 0.0607



0.2073, 0.1549, 0.0627

Previews

White Background



This preview shows how the Yxy color 67.9862, 0.3298, 0.3585 looks on a white background.

Color Contrast Check

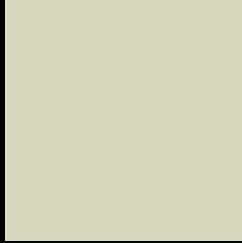
Large Text (above 18pt) WCAG AA × Fail

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 67.9862, 0.3298, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

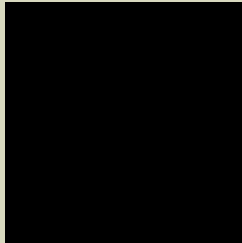
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

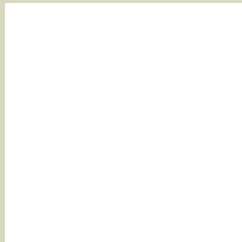
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9862, 0.3298, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 67.9862, 0.3298, 0.3585.



This preview shows how white text looks on a background with the Yxy color 67.9862, 0.3298, 0.3585.

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

67.9862, 0.3298, 0.3585

Protanopia

67.8184, 0.3378, 0.3558

Deuteranopia

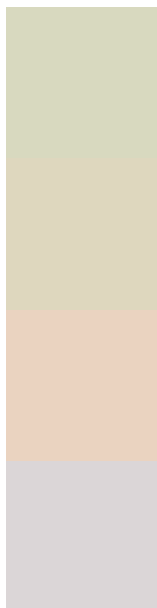
67.7090, 0.3518, 0.3440



Tritanopia

68.0606, 0.3084, 0.3116

Trichromacy



Original Color

67.9862, 0.3298, 0.3585

Protanomaly

67.8482, 0.3353, 0.3571

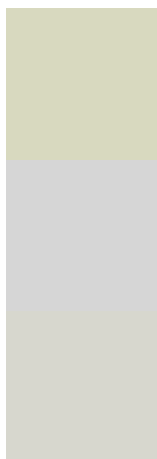
Deuteranomaly

67.8867, 0.3439, 0.3498

Tritanomaly

68.0595, 0.3157, 0.3279

Monochromacy



Original Color

67.9862, 0.3298, 0.3585

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.5042, 0.3188, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9862, 0.3298, 0.3585 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(216, 217, 191)` looks like.

```
.text, #text, p{  
    color:rgb(216, 217, 191)  
}
```

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(216, 217, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 217, 191) }
```

Border

The CSS property to change the border of an element to Yxy 67.9862, 0.3298, 0.3585 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(216, 217, 191) }
```

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

```
.border{ border-color:rgb(216, 217, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 217, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 217, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 217, 191);  
box-shadow:4px 4px 4px 4px rgb(216, 217,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9862, 0.3298, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 217, 191) }
```

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

```
.background{ background-color: rgb(216,  
217, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor