

# Converting Colors

Yxy(67.8682, 0.3183, 0.3496)

Have a look what the booklet for  
Yxy(67.8682, 0.3183, 0.3496)  
contains.

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# Color

**Yxy(67.8682, 0.3183, 0.3496)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D1DAC8
RGB	209, 218, 200
RGB Percent	82%, 85%, 78%
CMY	0.1803, 0.1451, 0.2158
CMYK	0.04, 0.00, 0.08, 0.15
HSL	90°, 20%, 82%
HSV	90°, 8%, 85%
XYZ	61.7919, 67.8682, 64.4709
YIQ	213.2570, 0.4140, -7.5060

# Conversions

## Conversions Part 2

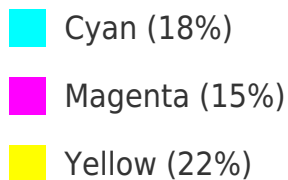
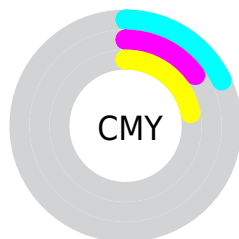
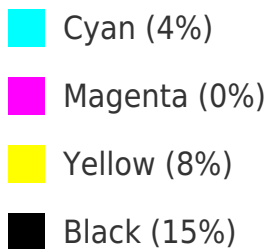
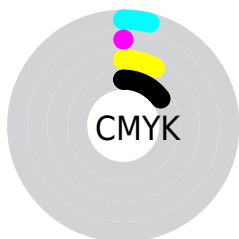
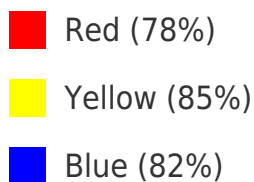
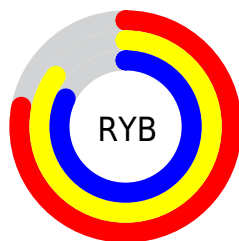
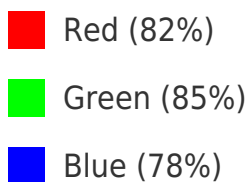
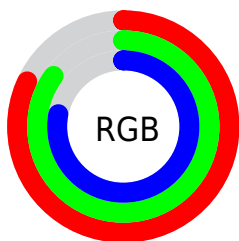
Format	Color
<a href="#">RYB</a>	<a href="#">200, 218, 209</a>
Decimal	<a href="#">13753032</a>
CIELab	<a href="#">85.94, -6.25, 7.82</a>
CIELCh	<a href="#">86, 10.009, 128.661</a>
Yxy	<a href="#">67.8682, 0.3183, 0.3496</a>
Android (android.graphics.Color)	<a href="#">4291943112</a> <a href="#">(0xFFD1DAC8)</a>
YUV	<a href="#">213.2570, -6.5357, -3.7334</a>
Hunter-Lab	<a href="#">82.3822, -10.2823, 11.2681</a>

# Details

The Yxy color `67.8682, 0.3183, 0.3496` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `59.9095, 0.3068, 0.3084`, and the grayscale version is `66.7669, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `35.2383, 0.3201, 0.3546` is the 20% darker color. If you saturate the color by 10%, you get `65.3917, 0.3250, 0.3765`, and if you desaturate by 10%, it is `70.6040, 0.3116, 0.3249`.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8682, 0.3183, 0.3496 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 67.8682, 0.3183, 0.3496 by changing the saturation by 10% instead.




 67.8682, 0.3183,  
0.3496

 67.8682, 0.3183,  
0.3496


453.0289, 0.3157,  
0.3398

 49.7905, 0.3189,  
0.3519


116.1636, 0.3174,  
0.3462

 35.2470, 0.3196,  
0.3548


147.1501, 0.3171,  
0.3448

 23.8532, 0.3205,  
0.3584


183.2083, 0.3168,  
0.3437

 15.2248, 0.3217,  
0.3634

224.7226, 0.3165,  
0.3427

 8.9773, 0.3232,  
0.3702

272.0774, 0.3163,  
0.3419

 4.7264, 0.3255,  
0.3805


325.6571, 0.3161,


 2.0876, 0.3288,


0.3411

0.3977


385.8462, 0.3159,  
0.3404


 0.6577, 0.3635,  
0.5060


 0.0000, 0.0000,  
0.0000

 67.8682, 0.3183,  
0.3496


 67.8682, 0.3183,  
0.3496


 65.3917, 0.3250,  
0.3765


 70.6040, 0.3116,  
0.3249


 63.1576, 0.3314,  
0.4051


 73.5982, 0.3050,  
0.3024

 61.1599, 0.3371,  
0.4349


 76.1747, 0.3051,  
0.2920


 59.3894, 0.3418,  
0.4648


 78.1514, 0.3127,  
0.2928


 57.8358, 0.3449,  
0.4936

 78.6245, 0.3144,  
0.2930

 56.4882, 0.3461,  
0.5197

 55.3343, 0.3452,  
0.5417

 54.3599, 0.3420,  
0.5585

 53.5454, 0.3370,  
0.5697

# Harmonies

## Analogous

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



67.8682, 0.3294, 0.3502



67.8682, 0.3183, 0.3496



67.8682, 0.3059, 0.3432

# Triad

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



67.8682, 0.3183, 0.3496



67.8682, 0.2898, 0.3126



67.8682, 0.3302, 0.3250

# Complementary

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



67.8682, 0.3183, 0.3496



59.9095, 0.3068, 0.3084

# 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.



67.8682, 0.3193, 0.3154



67.8682, 0.3183, 0.3496



67.8682, 0.2961, 0.3083

# Square

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



67.8682, 0.3183, 0.3496



67.8682, 0.2896, 0.3216



67.8682, 0.3068, 0.3094

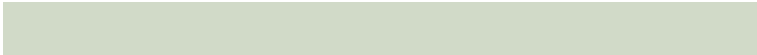


67.8682, 0.3364, 0.3357



# Rectangle

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



67.8682, 0.3183, 0.3496



67.8682, 0.2985, 0.3365



67.8682, 0.3068, 0.3094



67.8682, 0.3270, 0.3215

# Sweetspot

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



67.8711, 0.3183, 0.3496



99.1968, 0.3141, 0.3339



64.5235, 0.3260, 0.3389



21.2406, 0.3140, 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.



67.8711, 0.3183, 0.3496



96.1332, 0.3195, 0.3543



66.6309, 0.3119, 0.3500



14.9254, 0.3191, 0.3526



32.0648, 0.3371, 0.5705



2.1285, 0.3495, 0.5607



# Inverse Universe

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



59.9095, 0.3068, 0.3084



82.4506, 0.3053, 0.3037



61.2192, 0.3134, 0.3088



12.9344, 0.3058, 0.3054



5.0323, 0.2025, 0.0889

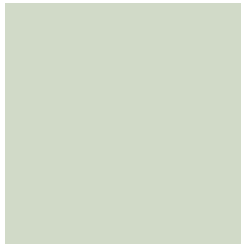


0.3772, 0.2203, 0.0987



# Previews

## White Background



This preview shows how the Yxy color 67.8682, 0.3183, 0.3496 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

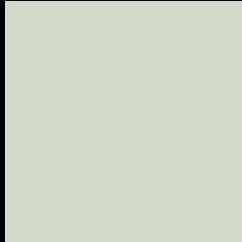
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.8682, 0.3183, 0.3496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

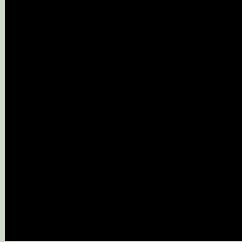
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

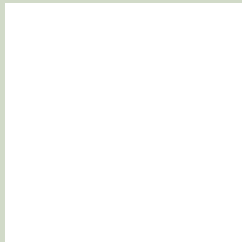
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.8682, 0.3183, 0.3496**

## Background



This preview shows how black text looks on a background with the Yxy color 67.8682, 0.3183, 0.3496.



This preview shows how white text looks on a background with the Yxy color 67.8682, 0.3183, 0.3496.

# 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

67.8682, 0.3183, 0.3496

### Protanopia

67.8583, 0.3306, 0.3468

### Deuteranopia

67.4152, 0.3418, 0.3344



## Tritanopia

68.1024, 0.3021, 0.3114

# Trichromacy



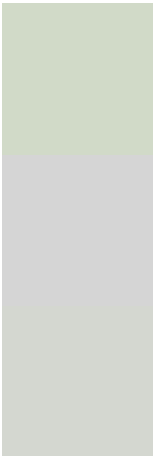
**Original Color**  
67.8682, 0.3183, 0.3496

**Protanomaly**  
67.6298, 0.3259, 0.3470

**Deuteranomaly**  
67.4636, 0.3334, 0.3400

**Tritanomaly**  
67.7124, 0.3079, 0.3245

# Monochromacy



**Original Color**  
67.8682, 0.3183, 0.3496

**Achromatopsia**  
66.5387, 0.3127, 0.3290

**Achromatomaly**  
67.1520, 0.3153, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8682, 0.3183, 0.3496 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(209, 218, 200) looks like.

```
.text, #text, p{  
    color:rgb(209, 218, 200)  
}
```

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(209, 218, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 218, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8682, 0.3183, 0.3496 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(209, 218, 200) }
```

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

```
.border{ border-color:rgb(209, 218, 200) }
```

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

Here you see how a box with a 4 pixel rgb(209, 218, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 218, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 218, 200);  
box-shadow:4px 4px 4px 4px rgb(209, 218,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8682, 0.3183, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 218, 200) }
```

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

```
.background{ background-color: rgb(209,  
218, 200) }
```

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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