

# Converting Colors

$Yxy(70.0134, 0.3186, 0.3488)$

Have a look what the booklet for  
Yxy(70.0134, 0.3186, 0.3488)  
contains.

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# Color

**Yxy(70.1708, 0.3189, 0.3493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5DDCB
RGB	213, 221, 203
RGB Percent	84%, 87%, 80%
CMY	0.1649, 0.1332, 0.2040
CMYK	0.04, 0.00, 0.08, 0.13
HSL	87°, 21%, 83%
HSV	87°, 8%, 87%
XYZ	64.0638, 70.1708, 66.6552
YIQ	216.5560, 1.0100, -7.2940

# Conversions

## Conversions Part 2

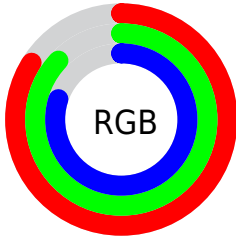
Format	Color
<a href="#">RYB</a>	<a href="#">203, 221, 211</a>
Decimal	<a href="#">14015947</a>
CIELab	<a href="#">87.08, -5.92, 7.91</a>
CIELCh	<a href="#">87, 9.878, 126.838</a>
Yxy	<a href="#">70.1708, 0.3189, 0.3493</a>
Android (android.graphics.Color)	<a href="#">4292206027 (0xFFD5DDCB)</a>
YUV	<a href="#">216.5560, -6.6831, -3.1186</a>
Hunter-Lab	<a href="#">83.7680, -10.0815, 11.4598</a>

# Details

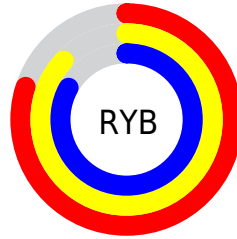
The Yxy color **70.1708, 0.3189, 0.3493** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7814, 0.3061, 0.3086**, and the grayscale version is **69.1105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7115, 0.3200, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **67.7607, 0.3265, 0.3760**, and if you desaturate by 10%, it is **72.8273, 0.3113, 0.3246**.

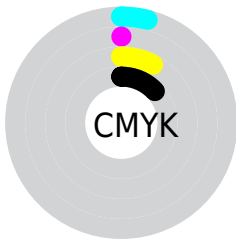
# Distribution



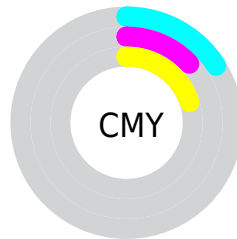
- Red (84%)
- Green (87%)
- Blue (80%)



- Red (80%)
- Yellow (87%)
- Blue (83%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (16%)
- Magenta (13%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1708, 0.3189, 0.3493 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 70.1708, 0.3189, 0.3493 by changing the saturation by 10% instead.



■ 70.1708, 0.3189,  
0.3493

■ 70.1708, 0.3189,  
0.3493

461.1495, 0.3161,  
0.3397

■ 51.6658, 0.3195,  
0.3515

119.4523, 0.3179,  
0.3459

■ 36.7388, 0.3203,  
0.3543

150.9976, 0.3175,  
0.3447

■ 25.0053, 0.3213,  
0.3579

187.6584, 0.3172,  
0.3435

■ 16.0810, 0.3226,  
0.3626

229.8192, 0.3169,  
0.3426

■ 9.5815, 0.3243,  
0.3692

277.8642, 0.3167,  
0.3417

■ 5.1224, 0.3268,  
0.3789

332.1781, 0.3164,

■ 2.3192, 0.3304,

0.3410

0.3948

393.1450, 0.3162,  
0.3403

0.7839, 0.3563,  
0.4652

0.0000, 0.0000,  
0.0000

70.1708, 0.3189,  
0.3493

70.1708, 0.3189,  
0.3493

67.7607, 0.3265,  
0.3760

72.8273, 0.3113,  
0.3246

65.5801, 0.3337,  
0.4043

75.7287, 0.3040,  
0.3021

63.6235, 0.3403,  
0.4335

77.9303, 0.3058,  
0.2951

61.8819, 0.3459,  
0.4627

79.7335, 0.3125,  
0.2958

■ 60.3457, 0.3498,  
0.4907

■ 80.2041, 0.3143,  
0.2960

■ 59.0041, 0.3518,  
0.5159

■ 57.8452, 0.3515,  
0.5371

■ 56.8553, 0.3489,  
0.5532

■ 56.0151, 0.3442,  
0.5639

# Harmonies

## Analogous

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



70.1708, 0.3296, 0.3495



70.1708, 0.3189, 0.3493



70.1708, 0.3068, 0.3434

# Triad

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



70.1708, 0.3189, 0.3493



70.1708, 0.2902, 0.3135



70.1708, 0.3293, 0.3244

# Complementary

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



70.1708, 0.3189, 0.3493



61.7814, 0.3061, 0.3086

# 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.



70.1708, 0.3184, 0.3153



70.1708, 0.3189, 0.3493



70.1708, 0.2959, 0.3089

# Square

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



70.1708, 0.3189, 0.3493



70.1708, 0.2903, 0.3224



70.1708, 0.3062, 0.3096



70.1708, 0.3356, 0.3349



# Rectangle

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



70.1708, 0.3189, 0.3493



70.1708, 0.2994, 0.3370



70.1708, 0.3062, 0.3096



70.1708, 0.3260, 0.3211

# Sweetspot

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



70.1738, 0.3189, 0.3493



99.2457, 0.3142, 0.3339



66.1750, 0.3259, 0.3378



21.2506, 0.3142, 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.



70.1738, 0.3189, 0.3493



96.3653, 0.3204, 0.3543



68.8985, 0.3126, 0.3497



14.9591, 0.3199, 0.3526



32.5181, 0.3443, 0.5648



2.1575, 0.3561, 0.5555



# Inverse Universe

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



61.7814, 0.3061, 0.3086



82.2203, 0.3045, 0.3036



63.1122, 0.3127, 0.3090



12.9009, 0.3050, 0.3053



4.6344, 0.1930, 0.0837

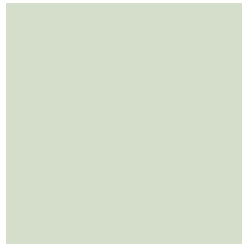


0.3509, 0.2113, 0.0938



# Previews

## White Background



This preview shows how the Yxy color 70.1708, 0.3189, 0.3493 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 70.1708, 0.3189, 0.3493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

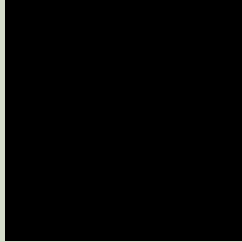
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

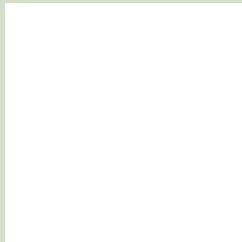
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1708, 0.3189, 0.3493**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1708, 0.3189, 0.3493.

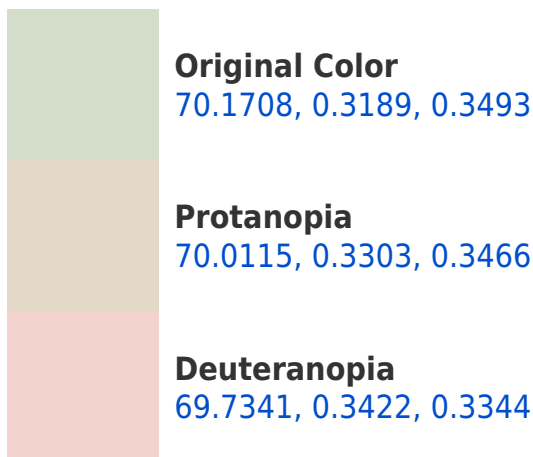


This preview shows how white text looks on a background with the Yxy color 70.1708, 0.3189, 0.3493.

# 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

70.4716, 0.3023, 0.3106

# Trichromacy



## Original Color

70.1708, 0.3189, 0.3493

## Protanomaly

69.7792, 0.3258, 0.3468

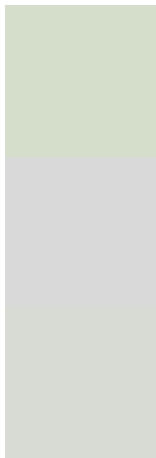
## Deuteranomaly

69.7764, 0.3339, 0.3399

## Tritanomaly

70.0695, 0.3080, 0.3235

# Monochromacy



## Original Color

70.1708, 0.3189, 0.3493

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.4952, 0.3153, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1708, 0.3189, 0.3493 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(213, 221, 203) looks like.

```
.text, #text, p{  
    color:rgb(213, 221, 203)  
}
```

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(213, 221, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 221, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1708, 0.3189, 0.3493 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(213, 221, 203) }
```

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

```
.border{ border-color:rgb(213, 221, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 221, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 221, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 221, 203);  
box-shadow:4px 4px 4px 4px rgb(213, 221,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1708, 0.3189, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 221, 203) }
```

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

```
.background{ background-color: rgb(213,  
221, 203) }
```

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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