

Converting Colors

$Yxy(68.7733, 0.3169, 0.3334)$

Have a look what the booklet for
Yxy(68.7733, 0.3169, 0.3334)
contains.

Yxy(68.7706, 0.3169, 0.3334)	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(68.7706, 0.3169, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	DAD8D4
RGB	218, 216, 212
RGB Percent	85%, 85%, 83%
CMY	0.1449, 0.1530, 0.1685
CMYK	0.00, 0.01, 0.03, 0.14
HSL	39°, 8%, 84%
HSV	39°, 3%, 86%
XYZ	65.3671, 68.7706, 72.1328
YIQ	216.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

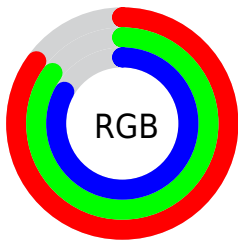
Format	Color
R_{YB}	215, 218, 212
Decimal	14342356
CIE _{Lab}	86.39, 0.01, 2.19
CIE _{LCh}	86, 2.185, 89.838
Yxy	68.7706, 0.3169, 0.3334
Android (android.graphics.Color)	4292532436 (0xFFDAD8D4)
YUV	216.1420, -2.0420, 1.6295
Hunter-Lab	82.9280, -4.4234, 6.4778

Details

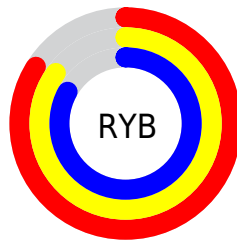
The Yxy color **68.7706, 0.3169, 0.3334** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.2062, 0.3086, 0.3246**, and the grayscale version is **68.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7106, 0.3182, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **64.0017, 0.3331, 0.3499**, and if you desaturate by 10%, it is **73.8684, 0.3024, 0.3178**.

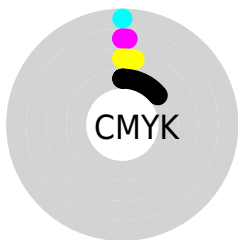
Distribution



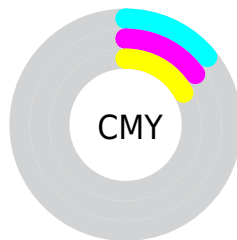
- Red (85%)
- Green (85%)
- Blue (83%)



- Red (84%)
- Yellow (85%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7706, 0.3169, 0.3334 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 68.7706, 0.3169, 0.3334 by changing the saturation by 10% instead.

■ 68.7706, 0.3169,
0.3334

■ 68.7706, 0.3169,
0.3334

456.2215, 0.3149,
0.3314

■ 50.5249, 0.3174,
0.3339

117.4539, 0.3162,
0.3327

■ 35.8307, 0.3179,
0.3345

148.6602, 0.3160,
0.3324

■ 24.3034, 0.3186,
0.3352

184.9556, 0.3157,
0.3322

■ 15.5589, 0.3196,
0.3362

226.7244, 0.3155,
0.3320

■ 9.2125, 0.3209,
0.3376

274.3510, 0.3154,
0.3318

■ 4.8801, 0.3228,
0.3396

328.2197, 0.3152,

■ 2.1771, 0.3259,

0.3316

388.7151, 0.3151,
0.3315

0.3429

0.7074, 0.3367,
0.3542

0.0000, 0.0000,
0.0000

68.7706, 0.3169,
0.3334

68.7706, 0.3169,
0.3334

64.0017, 0.3331,
0.3499

73.8684, 0.3024,
0.3178

59.5447, 0.3510,
0.3671

79.2529, 0.2897,
0.3040

55.3938, 0.3703,
0.3845

83.5271, 0.2900,
0.3119

51.5398, 0.3910,
0.4015

87.9823, 0.2903,
0.3196

■ 47.9731, 0.4124,
0.4172

■ 92.6206, 0.2905,
0.3273

■ 44.6829, 0.4337,
0.4306

■ 93.6537, 0.2906,
0.3289

■ 41.6576, 0.4541,
0.4405

■ 38.8843, 0.4723,
0.4459

■ 36.3475, 0.4875,
0.4461

Harmonies

Analogous

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



68.7706, 0.3179, 0.3320



68.7706, 0.3169, 0.3334



68.7706, 0.3147, 0.3336

Triad

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



68.7706, 0.3169, 0.3334



68.7706, 0.3079, 0.3282



68.7706, 0.3134, 0.3255

Complementary

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



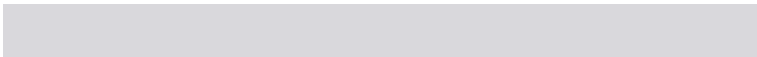
68.7706, 0.3169, 0.3334



67.2062, 0.3086, 0.3246

Split Complementary

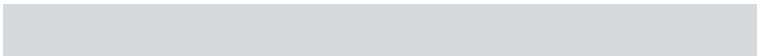
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7706, 0.3107, 0.3245



68.7706, 0.3169, 0.3334



68.7706, 0.3075, 0.3260

Square

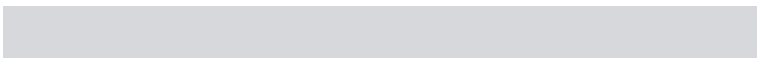
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7706, 0.3169, 0.3334



68.7706, 0.3095, 0.3306



68.7706, 0.3086, 0.3247



68.7706, 0.3159, 0.3275

Rectangle

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



68.7706, 0.3169, 0.3334



68.7706, 0.3130, 0.3330



68.7706, 0.3086, 0.3247



68.7706, 0.3125, 0.3251

Sweetspot

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



68.7736, 0.3169, 0.3334



99.2802, 0.3142, 0.3306



66.8760, 0.3157, 0.3267



21.2577, 0.3142, 0.3305



0.0000, 0.0000, 0.0000



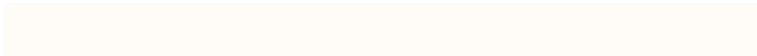
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7736, 0.3169, 0.3334



97.8547, 0.3173, 0.3338



69.7001, 0.3161, 0.3357



15.0739, 0.3185, 0.3350



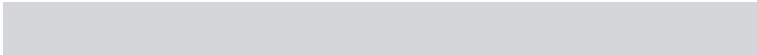
20.9507, 0.4954, 0.4448



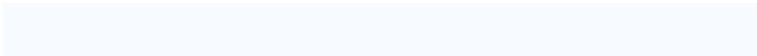
1.5152, 0.4799, 0.4572

Inverse Universe

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



67.2062, 0.3086, 0.3246



95.4125, 0.3082, 0.3241



66.3008, 0.3093, 0.3223



14.6045, 0.3070, 0.3229



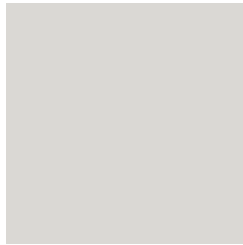
6.2082, 0.1642, 0.1112



0.5594, 0.1734, 0.1442

Previews

White Background



This preview shows how the Yxy color 68.7706, 0.3169, 0.3334 looks on a white background.

Color Contrast Check

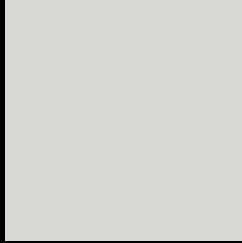
Large Text (above 18pt) WCAG AA × Fail

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 68.7706, 0.3169, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

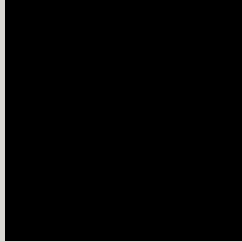
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

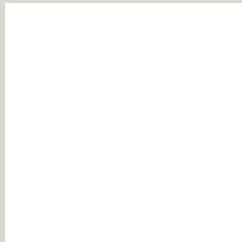
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7706, 0.3169, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 68.7706, 0.3169, 0.3334.

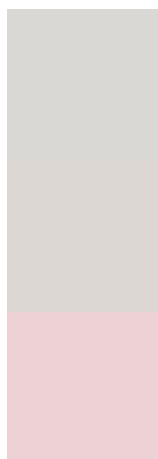


This preview shows how white text looks on a background with the Yxy color 68.7706, 0.3169, 0.3334.

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

68.7706, 0.3169, 0.3334

Protanopia

68.7265, 0.3192, 0.3323

Deuteranopia

68.5822, 0.3319, 0.3248



Tritanopia

68.6738, 0.3071, 0.3106

Trichromacy



Original Color

68.7706, 0.3169, 0.3334

Protanomaly

68.5700, 0.3184, 0.3323

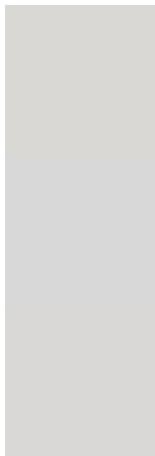
Deuteranomaly

68.8800, 0.3262, 0.3280

Tritanomaly

68.6365, 0.3110, 0.3192

Monochromacy



Original Color

68.7706, 0.3169, 0.3334

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.7697, 0.3141, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7706, 0.3169, 0.3334 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(218, 216, 212) looks like.

```
.text, #text, p{  
    color:rgb(218, 216, 212)  
}
```

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(218, 216, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 216, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.7706, 0.3169, 0.3334 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(218, 216, 212) }
```

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

```
.border{ border-color:rgb(218, 216, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 216, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 216, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 216, 212);  
box-shadow:4px 4px 4px 4px rgb(218, 216,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7706, 0.3169, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 216, 212) }
```

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

```
.background{ background-color: rgb(218,  
216, 212) }
```

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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