

Converting Colors

Yxy(68.4884, 0.3192, 0.3397)

Have a look what the booklet for
Yxy(68.4884, 0.3192, 0.3397)
contains.

Yxy(68.2157, 0.3188, 0.3391)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.2157, 0.3188, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	D8D8CF
RGB	216, 216, 207
RGB Percent	85%, 85%, 81%
CMY	0.1530, 0.1529, 0.1882
CMYK	0.00, 0.00, 0.04, 0.15
HSL	60°, 10%, 83%
HSV	60°, 4%, 85%
XYZ	64.1320, 68.2157, 68.8192
YIQ	214.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

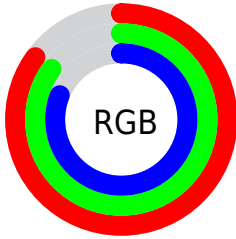
Format	Color
R _Y B	207, 216, 207
Decimal	14211279
CIE Lab	86.11, -1.60, 4.42
CIE LCh	86, 4.702, 109.907
Yxy	68.2157, 0.3188, 0.3391
Android (android.graphics.Color)	4292401359 (0xFFD8D8CF)
YUV	214.9740, -3.9312, 0.8998
Hunter-Lab	82.5928, -5.9349, 8.4125

Details

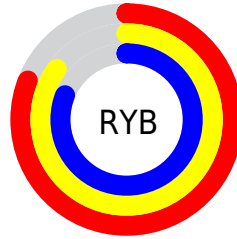
The Yxy color **68.2157, 0.3188, 0.3391** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.8566, 0.3065, 0.3187**, and the grayscale version is **67.9619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3667, 0.3199, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **67.2202, 0.3337, 0.3639**, and if you desaturate by 10%, it is **69.3617, 0.3044, 0.3152**.

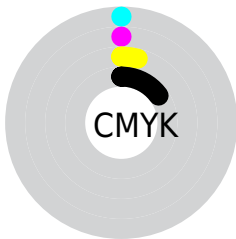
Distribution



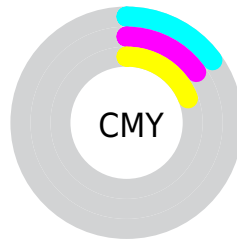
- Red (85%)
- Green (85%)
- Blue (81%)



- Red (81%)
- Yellow (85%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2157, 0.3188, 0.3391 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 68.2157, 0.3188, 0.3391 by changing the saturation by 10% instead.

■ 68.2157, 0.3188,
0.3391

■ 68.2157, 0.3188,
0.3391

454.2599, 0.3160,
0.3344

■ 50.0732, 0.3195,
0.3402

116.6607, 0.3178,
0.3374

■ 35.4716, 0.3203,
0.3416

147.7320, 0.3174,
0.3368

■ 24.0264, 0.3213,
0.3433

183.8816, 0.3171,
0.3362

■ 15.3532, 0.3227,
0.3457

225.4941, 0.3168,
0.3358

■ 9.0676, 0.3246,
0.3489

272.9538, 0.3166,
0.3354

■ 4.7853, 0.3274,
0.3537

326.6450, 0.3163,

■ 2.1219, 0.3318,

0.3350

386.9523, 0.3161,
0.3347

0.3615

0.6769, 0.3536,
0.3961

0.0000, 0.0000,
0.0000

68.2157, 0.3188,
0.3391

68.2157, 0.3188,
0.3391

67.2202, 0.3337,
0.3639

69.3617, 0.3044,
0.3152

66.3604, 0.3489,
0.3891

70.6548, 0.2908,
0.2927

65.6332, 0.3637,
0.4138

70.9729, 0.2880,
0.2879

65.0317, 0.3777,
0.4371

70.9860, 0.2880,
0.2879

64.5488, 0.3903,
0.4581

70.9992, 0.2881,
0.2879

64.1764, 0.4009,
0.4758

71.0123, 0.2882,
0.2879

63.9054, 0.4091,
0.4895

71.0255, 0.2882,
0.2879

63.7254, 0.4146,
0.4989

71.0387, 0.2883,
0.2879

63.6238, 0.4177,
0.5041

71.0518, 0.2883,
0.2879

Harmonies

Analogous

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



68.2157, 0.3228, 0.3377



68.2157, 0.3188, 0.3391



68.2157, 0.3132, 0.3377

Triad

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



68.2157, 0.3188, 0.3391



68.2157, 0.3015, 0.3238



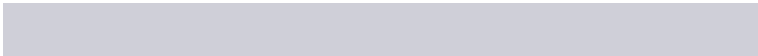
68.2157, 0.3179, 0.3242

Complementary

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



68.2157, 0.3188, 0.3391



62.8566, 0.3065, 0.3187

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.



68.2157, 0.3122, 0.3205



68.2157, 0.3188, 0.3391



68.2157, 0.3027, 0.3203

Square

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



68.2157, 0.3188, 0.3391



68.2157, 0.3032, 0.3288



68.2157, 0.3066, 0.3191



68.2157, 0.3223, 0.3291

Rectangle

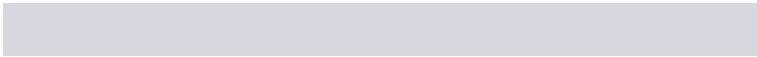
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2157, 0.3188, 0.3391



68.2157, 0.3093, 0.3354



68.2157, 0.3066, 0.3191



68.2157, 0.3161, 0.3227

Sweetspot

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



68.2187, 0.3188, 0.3391



99.8349, 0.3142, 0.3314



63.7331, 0.3196, 0.3290



21.3705, 0.3141, 0.3313



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.



68.2187, 0.3188, 0.3391



99.1962, 0.3201, 0.3412



67.5473, 0.3155, 0.3392



14.5999, 0.3210, 0.3427



37.6341, 0.4186, 0.5058



2.2707, 0.4188, 0.5057

Inverse Universe

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



62.8566, 0.3065, 0.3187



89.8037, 0.3052, 0.3165



63.5096, 0.3098, 0.3188



13.0572, 0.3042, 0.3149



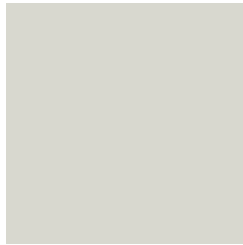
2.9390, 0.1502, 0.0601



0.1781, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 68.2157, 0.3188, 0.3391 looks on a white background.

Color Contrast Check

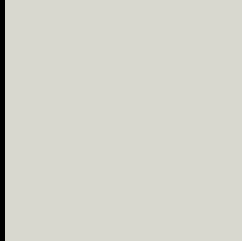
Large Text (above 18pt) WCAG AA × Fail

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 68.2157, 0.3188, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

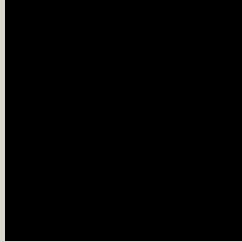
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

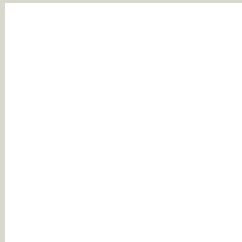
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2157, 0.3188, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 68.2157, 0.3188, 0.3391.

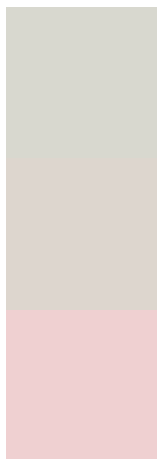


This preview shows how white text looks on a background with the Yxy color 68.2157, 0.3188, 0.3391.

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

68.2157, 0.3188, 0.3391

Protanopia

67.9215, 0.3234, 0.3379

Deuteranopia

68.0659, 0.3357, 0.3280



Tritanopia

68.3057, 0.3063, 0.3116

Trichromacy



Original Color

68.2157, 0.3188, 0.3391

Protanomaly

68.1172, 0.3218, 0.3391

Deuteranomaly

68.1315, 0.3299, 0.3323

Tritanomaly

68.2190, 0.3109, 0.3213

Monochromacy



Original Color

68.2157, 0.3188, 0.3391

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.8014, 0.3147, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2157, 0.3188, 0.3391 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, 216, 207) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 207)  
}
```

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, 216, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 207) }
```

Border

The CSS property to change the border of an element to Yxy 68.2157, 0.3188, 0.3391 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, 216, 207) }
```

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

```
.border{ border-color:rgb(216, 216, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 216, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 207);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2157, 0.3188, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 207) }
```

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

```
.background{ background-color: rgb(216,  
216, 207) }
```

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