

Converting Colors

$Yxy(70.9865, 0.3177, 0.3360)$

Have a look what the booklet for
Yxy(70.9865, 0.3177, 0.3360)
contains.

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Color

Yxy(70.6828, 0.3174, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	DCDBD5
RGB	220, 219, 213
RGB Percent	86%, 86%, 84%
CMY	0.1374, 0.1411, 0.1646
CMYK	0.00, 0.00, 0.03, 0.14
HSL	52°, 9%, 85%
HSV	52°, 3%, 86%
XYZ	66.8496, 70.6828, 73.0838
YIQ	218.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

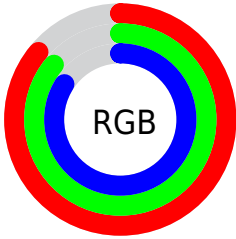
Format	Color
RYB	214, 220, 213
Decimal	14474197
CIELab	87.33, -0.74, 3.04
CIELCh	87, 3.131, 103.585
Yxy	70.6828, 0.3174, 0.3356
Android (android.graphics.Color)	4292664277 (0xFFDCDBD5)
YUV	218.6150, -2.7682, 1.2146
Hunter-Lab	84.0731, -5.1959, 7.3110

Details

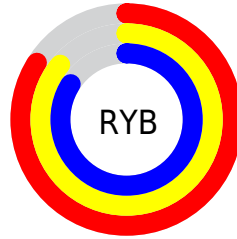
The Yxy color **70.6828, 0.3174, 0.3356** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.3899, 0.3080, 0.3223**, and the grayscale version is **70.5749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0189, 0.3189, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **68.0965, 0.3329, 0.3571**, and if you desaturate by 10%, it is **73.4548, 0.3029, 0.3151**.

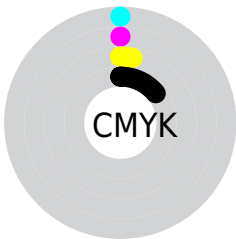
Distribution



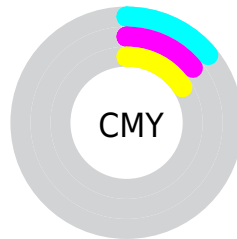
- Red (86%)
- Green (86%)
- Blue (84%)



- Red (84%)
- Yellow (86%)
- Blue (84%)



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



- Cyan (14%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6828, 0.3174, 0.3356 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 70.6828, 0.3174, 0.3356 by changing the saturation by 10% instead.

■ 70.6828, 0.3174,
0.3356

■ 70.6828, 0.3174,
0.3356

462.9438, 0.3152,
0.3325

■ 52.0834, 0.3179,
0.3363

120.1820, 0.3166,
0.3345

■ 37.0715, 0.3185,
0.3372

151.8505, 0.3163,
0.3341

■ 25.2629, 0.3193,
0.3383

188.6442, 0.3161,
0.3338

■ 16.2730, 0.3203,
0.3398

230.9474, 0.3159,
0.3334

■ 9.7176, 0.3218,
0.3418

279.1446, 0.3157,
0.3332

■ 5.2121, 0.3238,
0.3448

333.6201, 0.3155,

■ 2.3722, 0.3272,

0.3329

0.3496

394.7584, 0.3154,
0.3327

0.8116, 0.3370,
0.3630

0.0000, 0.0000,
0.0000

70.6828, 0.3174,
0.3356

70.6828, 0.3174,
0.3356

68.0965, 0.3329,
0.3571

73.4548, 0.3029,
0.3151

65.6804, 0.3492,
0.3792

76.2788, 0.2907,
0.2978


63.4311, 0.3658,
0.4013

77.9103, 0.2908,
0.3009

61.3414, 0.3824,
0.4225


79.5703, 0.2909,
0.3041

 59.4037, 0.3984,
0.4418

 81.2589, 0.2910,
0.3073

 57.6095, 0.4129,
0.4584


 82.9763, 0.2911,
0.3104

 55.9493, 0.4254,
0.4712

 84.7225, 0.2912,
0.3135

 54.4122, 0.4352,
0.4797

 86.4978, 0.2913,
0.3166

 52.9851, 0.4423,
0.4836

 88.3022, 0.2914,
0.3197

Harmonies

Analogous

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



70.6828, 0.3197, 0.3344



70.6828, 0.3174, 0.3356



70.6828, 0.3139, 0.3351

Triad

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



70.6828, 0.3174, 0.3356



70.6828, 0.3054, 0.3263



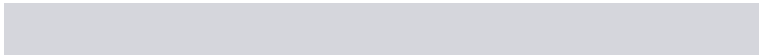
70.6828, 0.3154, 0.3252

Complementary

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



70.6828, 0.3174, 0.3356



67.3899, 0.3080, 0.3223

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.



70.6828, 0.3116, 0.3231



70.6828, 0.3174, 0.3356



70.6828, 0.3058, 0.3237

Square

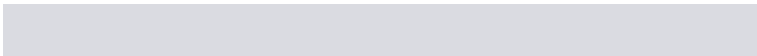
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6828, 0.3174, 0.3356



70.6828, 0.3069, 0.3297



70.6828, 0.3080, 0.3225



70.6828, 0.3185, 0.3284

Rectangle

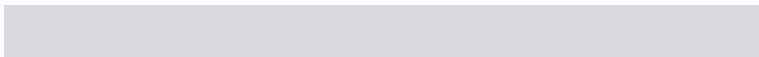
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6828, 0.3174, 0.3356



70.6828, 0.3113, 0.3338



70.6828, 0.3080, 0.3225



70.6828, 0.3141, 0.3243

Sweetspot

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



70.6859, 0.3174, 0.3356



99.6158, 0.3142, 0.3311



67.6668, 0.3171, 0.3279



21.3259, 0.3141, 0.3310



0.0000, 0.0000, 0.0000



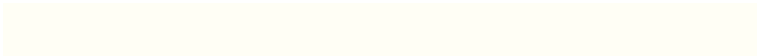
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6859, 0.3174, 0.3356



98.4785, 0.3187, 0.3375



70.8035, 0.3156, 0.3367



15.2124, 0.3198, 0.3389



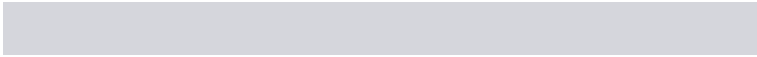
30.6851, 0.4453, 0.4846



2.0732, 0.4405, 0.4885

Inverse Universe

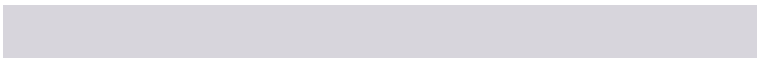
The Inverse Universe completely reimagines the original color for something new.



67.3899, 0.3080, 0.3223



92.6219, 0.3067, 0.3204



67.2797, 0.3098, 0.3213



14.1567, 0.3056, 0.3189



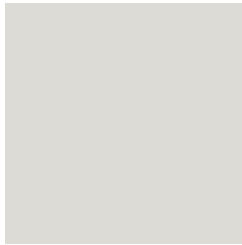
3.6687, 0.1531, 0.0711



0.3320, 0.1597, 0.0948

Previews

White Background



This preview shows how the Yxy color 70.6828, 0.3174, 0.3356 looks on a white background.

Color Contrast Check

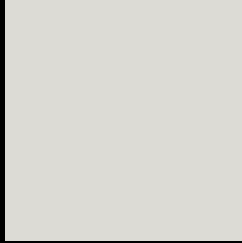
Large Text (above 18pt) WCAG AA × Fail

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 70.6828, 0.3174, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

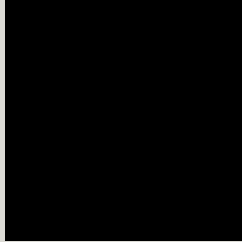
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

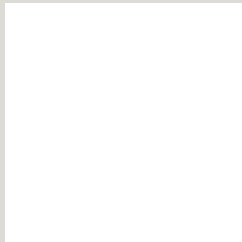
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6828, 0.3174, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 70.6828, 0.3174, 0.3356.

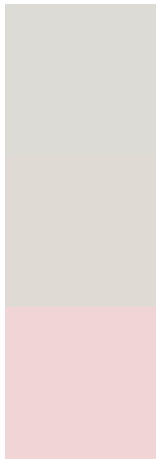


This preview shows how white text looks on a background with the Yxy color 70.6828, 0.3174, 0.3356.

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

70.6828, 0.3174, 0.3356

Protanopia

70.7436, 0.3211, 0.3356

Deuteranopia

70.6428, 0.3330, 0.3270



Tritanopia

70.6829, 0.3064, 0.3108

Trichromacy



Original Color

70.6828, 0.3174, 0.3356

Protanomaly

70.5842, 0.3204, 0.3356

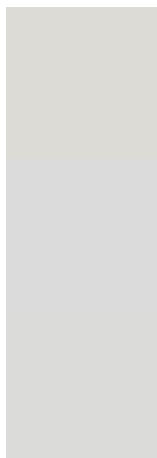
Deuteranomaly

70.7796, 0.3267, 0.3301

Tritanomaly

70.6463, 0.3103, 0.3193

Monochromacy



Original Color

70.6828, 0.3174, 0.3356

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.7329, 0.3140, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6828, 0.3174, 0.3356 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(220, 219, 213)` looks like.

```
.text, #text, p{  
    color:rgb(220, 219, 213)  
}
```

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(220, 219, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 219, 213) }
```

Border

The CSS property to change the border of an element to Yxy 70.6828, 0.3174, 0.3356 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(220, 219, 213) }
```

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

```
.border{ border-color:rgb(220, 219, 213) }
```

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

Here you see how a box with a 4 pixel rgb(220, 219, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 219, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 219, 213);  
box-shadow:4px 4px 4px 4px rgb(220, 219,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6828, 0.3174, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 219, 213) }
```

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

```
.background{ background-color: rgb(220,  
219, 213) }
```

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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