

Converting Colors

$Y_{xy}(70.7387, 0.3170, 0.3304)$

Have a look what the booklet for
Yxy(70.7387, 0.3170, 0.3304)
contains.

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Color

Yxy(70.8405, 0.3170, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	DFDAD9
RGB	223, 218, 217
RGB Percent	87%, 85%, 85%
CMY	0.1254, 0.1451, 0.1490
CMYK	0.00, 0.02, 0.03, 0.13
HSL	10°, 9%, 86%
HSV	10°, 3%, 87%
XYZ	68.0292, 70.8405, 75.7335
YIQ	219.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

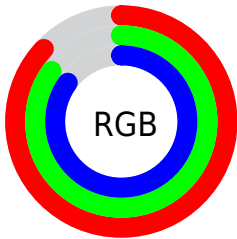
Format	Color
RYP	223, 218, 217
Decimal	14670553
CIELab	87.41, 1.53, 1.09
CIELCh	87, 1.879, 35.281
Yxy	70.8405, 0.3170, 0.3301
Android (android.graphics.Color)	4292860633 (0xFFDFDAD9)
YUV	219.3810, -1.1738, 3.1739
Hunter-Lab	84.1668, -3.0163, 5.5675

Details

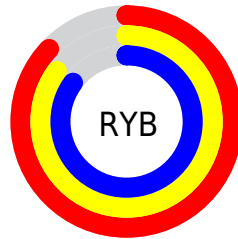
The Yxy color **70.8405, 0.3170, 0.3301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.3274, 0.3085, 0.3279**, and the grayscale version is **71.1259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1279, 0.3183, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **60.6556, 0.3350, 0.3344**, and if you desaturate by 10%, it is **82.2691, 0.3022, 0.3261**.

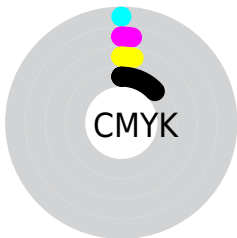
Distribution



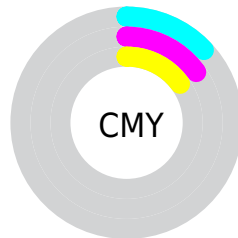
- Red (87%)
- Green (85%)
- Blue (85%)



- Red (87%)
- Yellow (85%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8405, 0.3170, 0.3301 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 70.8405, 0.3170, 0.3301 by changing the saturation by 10% instead.

■ 70.8405, 0.3170,
0.3301

■ 70.8405, 0.3170,
0.3301

463.4957, 0.3150,
0.3296

■ 52.2120, 0.3175,
0.3302

120.4066, 0.3163,
0.3299

■ 37.1741, 0.3180,
0.3304

152.1130, 0.3160,
0.3299

■ 25.3423, 0.3188,
0.3305

188.9475, 0.3158,
0.3298

■ 16.3323, 0.3197,
0.3308

231.2946, 0.3156,
0.3298

■ 9.7596, 0.3210,
0.3311

279.5385, 0.3154,
0.3297

■ 5.2399, 0.3229,
0.3315

334.0637, 0.3153,

■ 2.3887, 0.3260,

0.3297

0.3323

395.2547, 0.3151,
0.3296

0.8201, 0.3329,
0.3342

0.0000, 0.0000,
0.0000

70.8405, 0.3170,
0.3301

70.8405, 0.3170,
0.3301

60.6556, 0.3350,
0.3344

82.2691, 0.3022,
0.3261

51.6635, 0.3570,
0.3390

94.4296, 0.2935,
0.3289

43.8232, 0.3836,
0.3437

37.0877, 0.4154,
0.3482

■ 31.4071, 0.4524,
0.3521

■ 26.7275, 0.4938,
0.3547

■ 22.9901, 0.5368,
0.3550

■ 20.1298, 0.5769,
0.3525

■ 18.0730, 0.6086,
0.3469

Harmonies

Analogous

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



70.8405, 0.3158, 0.3281



70.8405, 0.3170, 0.3301



70.8405, 0.3171, 0.3319

Triad

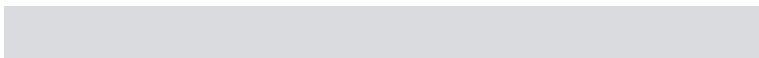
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8405, 0.3170, 0.3301



70.8405, 0.3117, 0.3318



70.8405, 0.3095, 0.3252

Complementary

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



70.8405, 0.3170, 0.3301



72.3274, 0.3085, 0.3279

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.



70.8405, 0.3084, 0.3262



70.8405, 0.3170, 0.3301



70.8405, 0.3097, 0.3300

Square

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



70.8405, 0.3170, 0.3301



70.8405, 0.3140, 0.3328



70.8405, 0.3085, 0.3279



70.8405, 0.3114, 0.3252

Rectangle

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



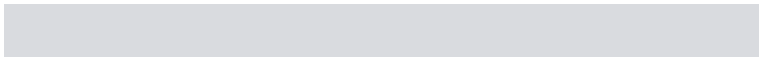
70.8405, 0.3170, 0.3301



70.8405, 0.3165, 0.3326



70.8405, 0.3085, 0.3279



70.8405, 0.3090, 0.3254

Sweetspot

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



70.8436, 0.3170, 0.3301



98.4885, 0.3143, 0.3294



70.5957, 0.3136, 0.3235



21.0965, 0.3142, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

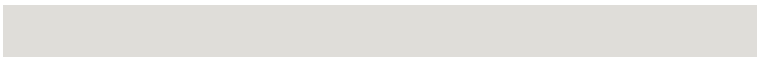
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8436, 0.3170, 0.3301



95.5167, 0.3175, 0.3302



72.3633, 0.3168, 0.3333



15.3569, 0.3188, 0.3306



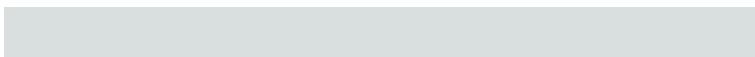
10.1189, 0.6229, 0.3436



0.8146, 0.5955, 0.3653

Inverse Universe

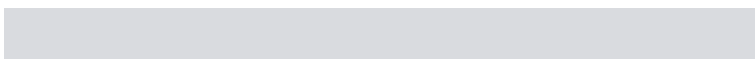
The Inverse Universe completely reimagines the original color for something new.



72.3274, 0.3085, 0.3279



97.7671, 0.3080, 0.3278



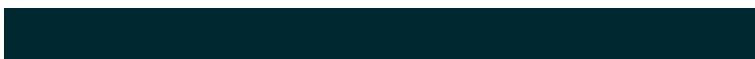
70.7977, 0.3086, 0.3247



15.8122, 0.3069, 0.3274



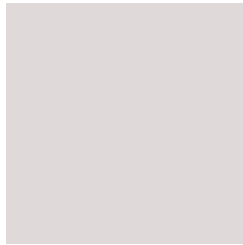
23.8846, 0.2098, 0.2752



1.7602, 0.2123, 0.2843

Previews

White Background



This preview shows how the Yxy color 70.8405, 0.3170, 0.3301 looks on a white background.

Color Contrast Check

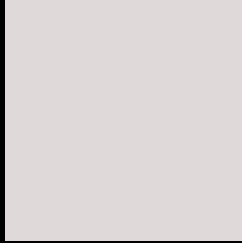
Large Text (above 18pt) WCAG AA × Fail

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 70.8405, 0.3170, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

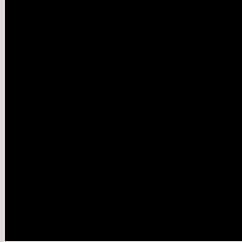
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

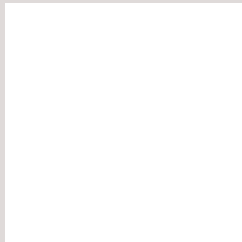
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8405, 0.3170, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 70.8405, 0.3170, 0.3301.

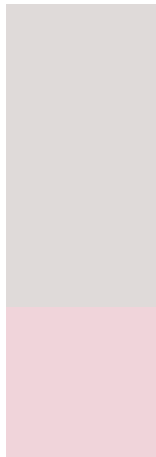


This preview shows how white text looks on a background with the Yxy color 70.8405, 0.3170, 0.3301.

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

70.8405, 0.3170, 0.3301

Protanopia

70.8405, 0.3170, 0.3301

Deuteranopia

70.6742, 0.3294, 0.3227



Tritanopia

71.0025, 0.3078, 0.3109

Trichromacy



Original Color

70.8405, 0.3170, 0.3301

Protanomaly

70.8405, 0.3170, 0.3301

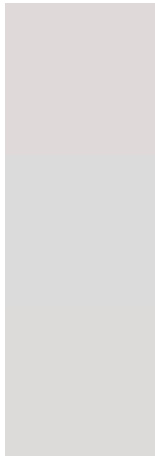
Deuteranomaly

70.6475, 0.3247, 0.3248

Tritanomaly

71.0191, 0.3111, 0.3182

Monochromacy



Original Color

70.8405, 0.3170, 0.3301

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.9406, 0.3141, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8405, 0.3170, 0.3301 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(223, 218, 217)` looks like.

```
.text, #text, p{  
    color:rgb(223, 218, 217)  
}
```

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(223, 218, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 218, 217) }
```

Border

The CSS property to change the border of an element to Yxy 70.8405, 0.3170, 0.3301 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(223, 218, 217) }
```

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

```
.border{ border-color:rgb(223, 218, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 218, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 218, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 218, 217);  
box-shadow:4px 4px 4px 4px rgb(223, 218,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8405, 0.3170, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 218, 217) }
```

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

```
.background{ background-color: rgb(223,  
218, 217) }
```

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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