

Converting Colors

$Yxy(70.2311, 0.3212, 0.3390)$

Have a look what the booklet for
Yxy(70.2311, 0.3212, 0.3390)
contains.

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Color

Yxy(70.1184, 0.3210, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	DDDAD1
RGB	221, 218, 209
RGB Percent	87%, 85%, 82%
CMY	0.1331, 0.1452, 0.1803
CMYK	0.00, 0.01, 0.05, 0.13
HSL	45°, 15%, 84%
HSV	45°, 5%, 87%
XYZ	66.4149, 70.1184, 70.3667
YIQ	217.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

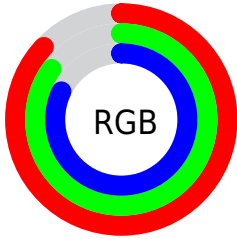
Format	Color
R _Y B	213, 221, 209
Decimal	14539473
CIE Lab	87.05, -0.51, 4.77
CIE LCh	87, 4.794, 96.141
Yxy	70.1184, 0.3210, 0.3389
Android (android.graphics.Color)	4292729553 (0xFFDDDAD1)
YUV	217.8710, -4.3734, 2.7441
Hunter-Lab	83.7367, -4.9639, 8.7924

Details

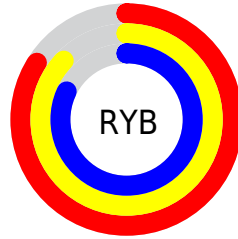
The Yxy color **70.1184, 0.3210, 0.3389** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.9186, 0.3044, 0.3189**, and the grayscale version is **70.0539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6679, 0.3227, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **66.2194, 0.3373, 0.3577**, and if you desaturate by 10%, it is **74.2755, 0.3061, 0.3210**.

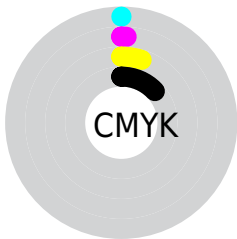
Distribution



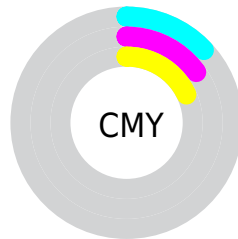
- Red (87%)
- Green (85%)
- Blue (82%)



- Red (84%)
- Yellow (87%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (5%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1184, 0.3210, 0.3389 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 70.1184, 0.3210, 0.3389 by changing the saturation by 10% instead.

■ 70.1184, 0.3210,
0.3389

■ 70.1184, 0.3210,
0.3389

460.9656, 0.3171,
0.3343

■ 51.6231, 0.3219,
0.3400

119.3776, 0.3197,
0.3373

■ 36.7047, 0.3230,
0.3413

150.9102, 0.3191,
0.3367

■ 24.9789, 0.3244,
0.3430

187.5574, 0.3187,
0.3361

■ 16.0614, 0.3262,
0.3452

229.7036, 0.3183,
0.3357

■ 9.5676, 0.3288,
0.3483

277.7331, 0.3180,
0.3353

■ 5.1132, 0.3325,
0.3527

332.0303, 0.3177,

■ 2.3138, 0.3384,

0.3349

0.3600

392.9797, 0.3174,
0.3346

0.7810, 0.3599,
0.3851

0.0000, 0.0000,
0.0000

70.1184, 0.3210,
0.3389

70.1184, 0.3210,
0.3389

66.2194, 0.3373,
0.3577

74.2755, 0.3061,
0.3210

62.5620, 0.3547,
0.3771

78.6883, 0.2926,
0.3042

59.1418, 0.3732,
0.3965

81.9863, 0.2918,
0.3083

55.9504, 0.3922,
0.4151

85.2739, 0.2919,
0.3142

■ 52.9792, 0.4111,
0.4320

■ 88.6652, 0.2921,
0.3200

■ 50.2184, 0.4291,
0.4461

■ 92.1613, 0.2922,
0.3258

■ 47.6572, 0.4454,
0.4563

■ 94.1223, 0.2923,
0.3289

■ 45.2833, 0.4590,
0.4619

■ 43.0817, 0.4697,
0.4627

Harmonies

Analogous

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



70.1184, 0.3239, 0.3363



70.1184, 0.3210, 0.3389



70.1184, 0.3159, 0.3388

Triad

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



70.1184, 0.3210, 0.3389



70.1184, 0.3018, 0.3260



70.1184, 0.3154, 0.3222

Complementary

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



70.1184, 0.3210, 0.3389



65.9186, 0.3044, 0.3189

Split Complementary

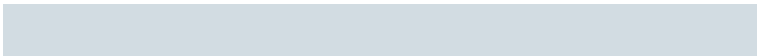
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.1184, 0.3095, 0.3195



70.1184, 0.3210, 0.3389



70.1184, 0.3017, 0.3216

Square

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



70.1184, 0.3210, 0.3389



70.1184, 0.3049, 0.3313



70.1184, 0.3045, 0.3192



70.1184, 0.3206, 0.3267

Rectangle

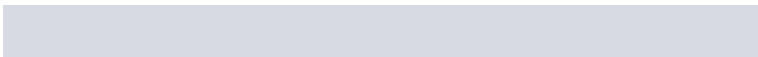
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1184, 0.3210, 0.3389



70.1184, 0.3120, 0.3372



70.1184, 0.3045, 0.3192



70.1184, 0.3134, 0.3210

Sweetspot

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



70.1214, 0.3210, 0.3389



98.8466, 0.3157, 0.3326



65.7577, 0.3195, 0.3255



21.1694, 0.3156, 0.3325



0.0000, 0.0000, 0.0000



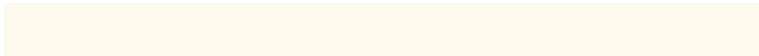
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1214, 0.3210, 0.3389



96.0254, 0.3235, 0.3419



71.2961, 0.3187, 0.3423



14.8302, 0.3243, 0.3428



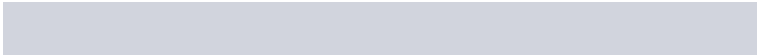
24.6462, 0.4728, 0.4628



1.7319, 0.4622, 0.4712

Inverse Universe

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



65.9186, 0.3044, 0.3189



88.5847, 0.3019, 0.3158



64.8059, 0.3065, 0.3155



13.6024, 0.3011, 0.3148



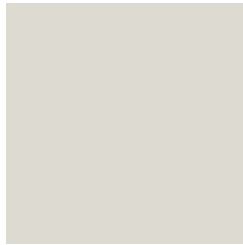
4.8595, 0.1585, 0.0907



0.4531, 0.1673, 0.1224

Previews

White Background



This preview shows how the Yxy color 70.1184, 0.3210, 0.3389 looks on a white background.

Color Contrast Check

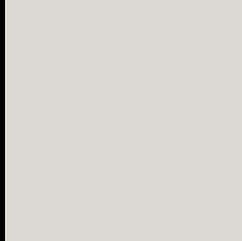
Large Text (above 18pt) WCAG AA × Fail

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 70.1184, 0.3210, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

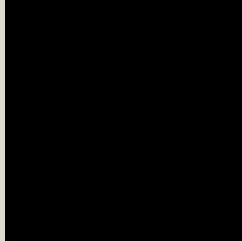
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

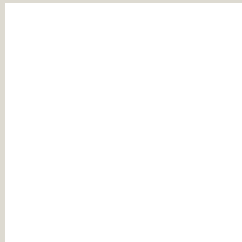
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1184, 0.3210, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 70.1184, 0.3210, 0.3389.

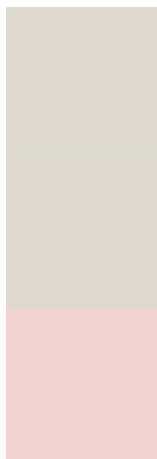


This preview shows how white text looks on a background with the Yxy color 70.1184, 0.3210, 0.3389.

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

70.1184, 0.3210, 0.3389

Protanopia

70.0765, 0.3233, 0.3378

Deuteranopia

70.1189, 0.3368, 0.3301



Tritanopia

70.2744, 0.3078, 0.3108

Trichromacy



Original Color

70.1184, 0.3210, 0.3389

Protanomaly

69.9171, 0.3225, 0.3378

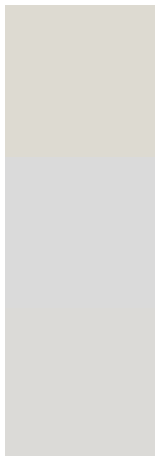
Deuteranomaly

70.2387, 0.3304, 0.3333

Tritanomaly

70.1815, 0.3124, 0.3203

Monochromacy



Original Color

70.1184, 0.3210, 0.3389

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.1092, 0.3154, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1184, 0.3210, 0.3389 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(221, 218, 209) looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 209)  
}
```

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(221, 218, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 209) }
```

Border

The CSS property to change the border of an element to Yxy 70.1184, 0.3210, 0.3389 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(221, 218, 209) }
```

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

```
.border{ border-color:rgb(221, 218, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 218, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 209);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1184, 0.3210, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 209) }
```

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

```
.background{ background-color: rgb(221,  
218, 209) }
```

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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