

Converting Colors

$Yxy(71.5462, 0.3182, 0.3383)$

Have a look what the booklet for
Yxy(71.5462, 0.3182, 0.3383)
contains.

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Color

Yxy(71.6820, 0.3180, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	DCDDD4
RGB	220, 221, 212
RGB Percent	86%, 87%, 83%
CMY	0.1371, 0.1333, 0.1687
CMYK	0.00, 0.00, 0.04, 0.13
HSL	66°, 12%, 85%
HSV	66°, 4%, 87%
XYZ	67.2614, 71.6820, 72.5704
YIQ	219.6750, 2.2930, -3.0110

Conversions

Conversions Part 2

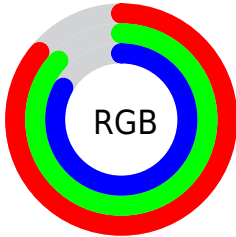
Format	Color
R _Y B	212, 221, 213
Decimal	14474708
CIE Lab	87.82, -1.91, 4.29
CIE LCh	88, 4.698, 114.035
Yxy	71.6820, 0.3180, 0.3389
Android (android.graphics.Color)	4292664788 (0xFFDCDDD4)
YUV	219.6750, -3.7838, 0.2850
Hunter-Lab	84.6652, -6.3568, 8.4455

Details

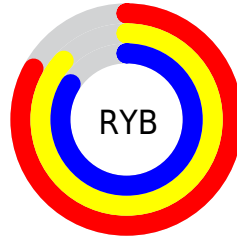
The Yxy color **71.6820, 0.3180, 0.3389** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.4411, 0.3073, 0.3189**, and the grayscale version is **71.3619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7061, 0.3196, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **70.2788, 0.3312, 0.3640**, and if you desaturate by 10%, it is **73.2493, 0.3052, 0.3150**.

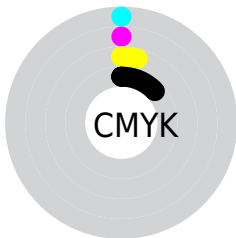
Distribution



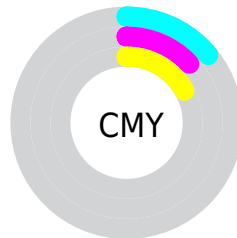
- Red (86%)
- Green (87%)
- Blue (83%)



- Red (83%)
- Yellow (87%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6820, 0.3180, 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 71.6820, 0.3180, 0.3389 by changing the saturation by 10% instead.

■ 71.6820, 0.3180,
0.3389

■ 71.6820, 0.3180,
0.3389

466.4340, 0.3156,
0.3343

■ 52.8989, 0.3186,
0.3400

121.6043, 0.3172,
0.3373

■ 37.7221, 0.3192,
0.3413

153.5124, 0.3168,
0.3367

■ 25.7671, 0.3201,
0.3430

190.5642, 0.3165,
0.3361

■ 16.6495, 0.3213,
0.3452

233.1442, 0.3163,
0.3357

■ 9.9849, 0.3228,
0.3482

281.6368, 0.3161,
0.3353

■ 5.3889, 0.3251,
0.3527

336.4264, 0.3159,

■ 2.4772, 0.3287,

0.3349

0.3598

397.8973, 0.3157,
0.3346

0.8652, 0.3398,
0.3790

0.0000, 0.0000,
0.0000

71.6820, 0.3180,
0.3389

71.6820, 0.3180,
0.3389

70.2788, 0.3312,
0.3640

73.2493, 0.3052,
0.3150

69.0242, 0.3446,
0.3898

74.9004, 0.2938,
0.2938

67.9146, 0.3576,
0.4155

75.2823, 0.2953,
0.2940

66.9431, 0.3697,
0.4403

75.6696, 0.2969,
0.2942

66.1018, 0.3804,
0.4631

76.0621, 0.2985,
0.2943

65.3823, 0.3892,
0.4829

76.4600, 0.3001,
0.2945

64.7749, 0.3956,
0.4989

76.8632, 0.3017,
0.2947

64.2687, 0.3994,
0.5104

77.2718, 0.3033,
0.2948

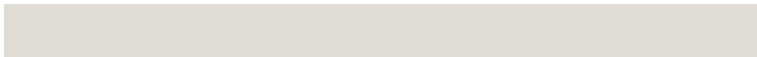
63.8502, 0.4006,
0.5175

77.6857, 0.3049,
0.2950

Harmonies

Analogous

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



71.6820, 0.3222, 0.3379



71.6820, 0.3180, 0.3389



71.6820, 0.3124, 0.3372

Triad

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



71.6820, 0.3180, 0.3389



71.6820, 0.3017, 0.3233



71.6820, 0.3185, 0.3249

Complementary

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



71.6820, 0.3180, 0.3389



66.4411, 0.3073, 0.3189

Split Complementary

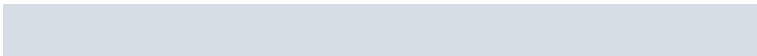
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6820, 0.3130, 0.3210



71.6820, 0.3180, 0.3389



71.6820, 0.3033, 0.3201

Square

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



71.6820, 0.3180, 0.3389



71.6820, 0.3030, 0.3281



71.6820, 0.3074, 0.3193



71.6820, 0.3225, 0.3298

Rectangle

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



71.6820, 0.3180, 0.3389



71.6820, 0.3086, 0.3347



71.6820, 0.3074, 0.3193



71.6820, 0.3168, 0.3234

Sweetspot

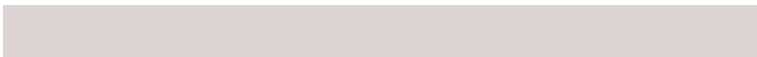
The Sweet Spot groups the original color and five complimentary colors.



71.6851, 0.3180, 0.3389



99.7852, 0.3140, 0.3314



67.6579, 0.3193, 0.3300



21.3604, 0.3140, 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.



71.6851, 0.3180, 0.3389



98.9481, 0.3193, 0.3413



71.0011, 0.3148, 0.3390



15.3050, 0.3201, 0.3428



36.9951, 0.4007, 0.5200



2.4174, 0.4040, 0.5175

Inverse Universe

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



66.4411, 0.3073, 0.3189



90.0372, 0.3060, 0.3165



67.1142, 0.3105, 0.3191



13.7624, 0.3051, 0.3149



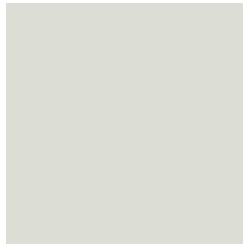
3.1665, 0.1539, 0.0622



0.2281, 0.1640, 0.0677

Previews

White Background



This preview shows how the Yxy color 71.6820, 0.3180, 0.3389 looks on a white background.

Color Contrast Check

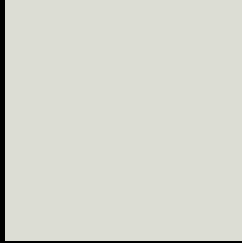
Large Text (above 18pt) WCAG AA × Fail

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 71.6820, 0.3180, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

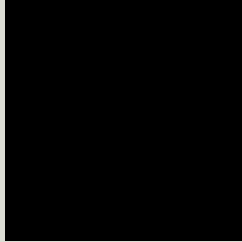
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

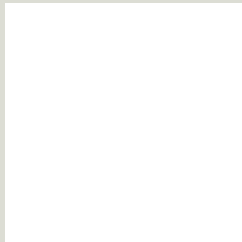
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6820, 0.3180, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 71.6820, 0.3180, 0.3389.

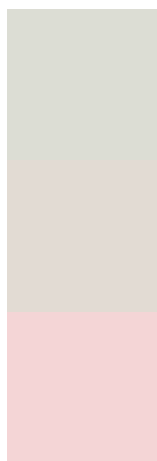


This preview shows how white text looks on a background with the Yxy color 71.6820, 0.3180, 0.3389.

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

71.6820, 0.3180, 0.3389

Protanopia

71.5349, 0.3232, 0.3377

Deuteranopia

71.6766, 0.3352, 0.3280



Tritanopia

71.8289, 0.3051, 0.3108

Trichromacy



Original Color

71.6820, 0.3180, 0.3389

Protanomaly

71.7368, 0.3216, 0.3388

Deuteranomaly

71.5780, 0.3288, 0.3322

Tritanomaly

71.7387, 0.3096, 0.3204

Monochromacy



Original Color

71.6820, 0.3180, 0.3389

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.4118, 0.3147, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6820, 0.3180, 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(220, 221, 212)` looks like.

```
.text, #text, p{  
    color:rgb(220, 221, 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(220, 221, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 221, 212) }
```

Border

The CSS property to change the border of an element to Yxy 71.6820, 0.3180, 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(220, 221, 212) }
```

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

```
.border{ border-color:rgb(220, 221, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 221, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 221, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 221, 212);  
box-shadow:4px 4px 4px 4px rgb(220, 221,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6820, 0.3180, 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(220, 221, 212) }
```

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

```
.background{ background-color: rgb(220,  
221, 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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