

Converting Colors

$Yxy(70.4571, 0.2988, 0.3203)$

Have a look what the booklet for
Yxy(70.4571, 0.2988, 0.3203)
contains.

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Color

Yxy(70.7242, 0.2992, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	D0DDE4
RGB	208, 221, 228
RGB Percent	82%, 87%, 89%
CMY	0.1842, 0.1334, 0.1058
CMYK	0.09, 0.03, 0.00, 0.11
HSL	201°, 27%, 85%
HSV	201°, 9%, 89%
XYZ	65.8801, 70.7242, 83.5831
YIQ	217.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

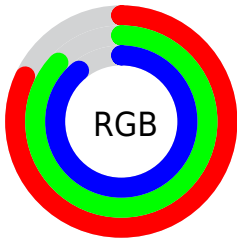
Format	Color
R _Y B	208, 216, 228
Decimal	13688292
CIE Lab	87.35, -2.98, -4.93
CIE LCh	87, 5.766, 238.851
Yxy	70.7242, 0.2992, 0.3212
Android (android.graphics.Color)	4291878372 (0xFFD0DDE4)
YUV	217.9110, 4.9739, -8.6919
Hunter-Lab	84.0977, -7.3384, -0.0589

Details

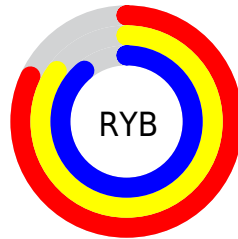
The Yxy color **70.7242, 0.2992, 0.3212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6767, 0.3271, 0.3367**, and the grayscale version is **70.0221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1596, 0.2960, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **63.5282, 0.2836, 0.3114**, and if you desaturate by 10%, it is **78.6029, 0.3146, 0.3300**.

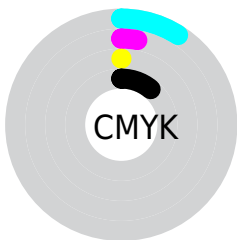
Distribution



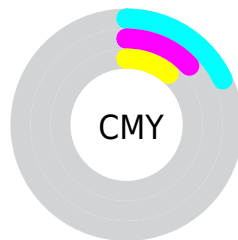
- Red (82%)
- Green (87%)
- Blue (89%)



- Red (82%)
- Yellow (85%)
- Blue (89%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7242, 0.2992, 0.3212 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 70.7242, 0.2992, 0.3212 by changing the saturation by 10% instead.

■ 70.7242, 0.2992,
0.3212

■ 70.7242, 0.2992,
0.3212

463.0887, 0.3055,
0.3249

■ 52.1172, 0.2978,
0.3204

120.2409, 0.3014,
0.3225

■ 37.0985, 0.2960,
0.3193

151.9194, 0.3022,
0.3230

■ 25.2837, 0.2937,
0.3179

188.7238, 0.3030,
0.3234

■ 16.2886, 0.2908,
0.3162

231.0386, 0.3036,
0.3238

■ 9.7286, 0.2867,
0.3137

279.2480, 0.3041,
0.3241

■ 5.2194, 0.2809,
0.3101

333.7366, 0.3046,

■ 2.3765, 0.2716,

0.3244

0.3043

394.8887, 0.3051,
0.3246

0.8138, 0.2529,
0.2937

0.0000, 0.0000,
0.0000

70.7242, 0.2992,
0.3212

70.7242, 0.2992,
0.3212

63.5282, 0.2836,
0.3114

78.6029, 0.3146,
0.3300

56.9830, 0.2681,
0.3007

87.1770, 0.3296,
0.3379

51.0672, 0.2531,
0.2890

92.1752, 0.3297,
0.3457

45.7545, 0.2388,
0.2766

97.1253, 0.3288,
0.3533

■ 41.0162, 0.2258,
0.2636

■ 98.3819, 0.3286,
0.3552

■ 36.8211, 0.2143,
0.2501

■ 33.1335, 0.2048,
0.2365

■ 29.9120, 0.1973,
0.2229

■ 27.0957, 0.1918,
0.2097

Harmonies

Analogous

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



70.7242, 0.3003, 0.3269



70.7242, 0.2992, 0.3212



70.7242, 0.3017, 0.3177

Triad

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



70.7242, 0.2992, 0.3212



70.7242, 0.3209, 0.3248



70.7242, 0.3182, 0.3411

Complementary

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



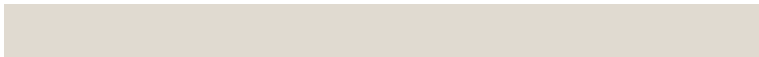
70.7242, 0.2992, 0.3212



69.6767, 0.3271, 0.3367

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.



70.7242, 0.3238, 0.3404



70.7242, 0.2992, 0.3212



70.7242, 0.3254, 0.3309

Square

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



70.7242, 0.2992, 0.3212



70.7242, 0.3142, 0.3198



70.7242, 0.3264, 0.3366



70.7242, 0.3112, 0.3385

Rectangle

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



70.7242, 0.2992, 0.3212



70.7242, 0.3051, 0.3170



70.7242, 0.3264, 0.3366



70.7242, 0.3203, 0.3412

Sweetspot

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



70.7272, 0.2992, 0.3212



96.8759, 0.3081, 0.3264



73.8143, 0.3073, 0.3434



20.5597, 0.3068, 0.3257



0.0000, 0.0000, 0.0000



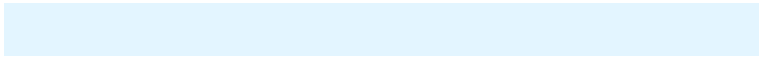
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7272, 0.2992, 0.3212



88.9387, 0.2956, 0.3190



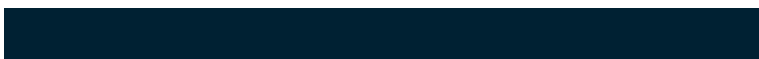
65.6206, 0.2992, 0.3100



15.4399, 0.2981, 0.3206



15.6842, 0.1917, 0.2101



1.3318, 0.1971, 0.2294

Inverse Universe

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



66.8442, 0.3186, 0.3150



82.7726, 0.3203, 0.3112



74.9086, 0.3260, 0.3473



14.5248, 0.3191, 0.3139



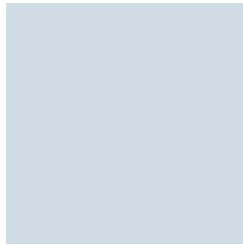
10.7810, 0.4340, 0.2165



0.8141, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 70.7242, 0.2992, 0.3212 looks on a white background.

Color Contrast Check

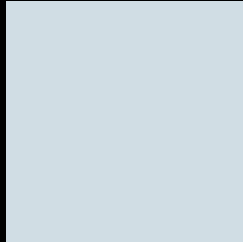
Large Text (above 18pt) WCAG AA × Fail

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 70.7242, 0.2992, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

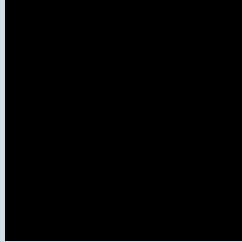
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

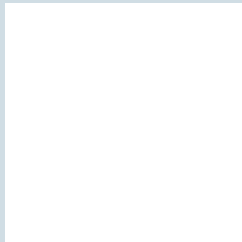
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7242, 0.2992, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 70.7242, 0.2992, 0.3212.

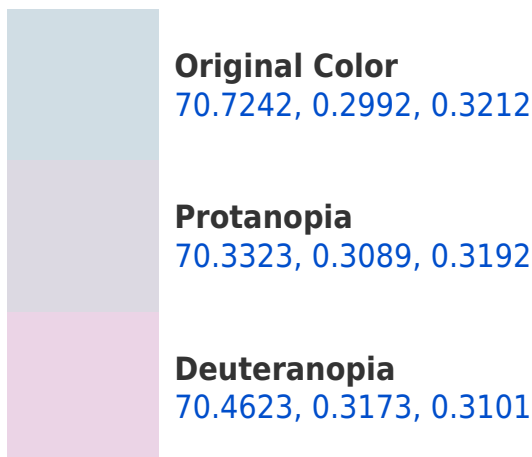


This preview shows how white text looks on a background with the Yxy color 70.7242, 0.2992, 0.3212.

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

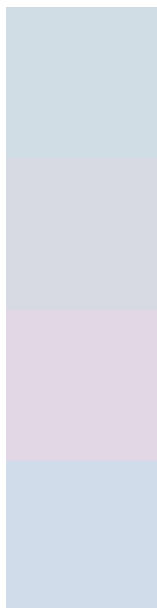




Tritanopia

71.0025, 0.2949, 0.3104

Trichromacy



Original Color

70.7242, 0.2992, 0.3212

Protanomaly

70.2878, 0.3054, 0.3191

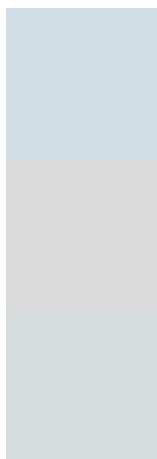
Deuteranomaly

70.2656, 0.3105, 0.3140

Tritanomaly

70.6822, 0.2961, 0.3136

Monochromacy



Original Color

70.7242, 0.2992, 0.3212

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2331, 0.3072, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7242, 0.2992, 0.3212 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(208, 221, 228)` looks like.

```
.text, #text, p{  
    color:rgb(208, 221, 228)  
}
```

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(208, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 221, 228) }
```

Border

The CSS property to change the border of an element to Yxy 70.7242, 0.2992, 0.3212 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(208, 221, 228) }
```

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

```
.border{ border-color:rgb(208, 221, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 221, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 221, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 221, 228);  
box-shadow:4px 4px 4px 4px rgb(208, 221,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7242, 0.2992, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 221, 228) }
```

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

```
.background{ background-color: rgb(208,  
221, 228) }
```

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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