

Converting Colors

$Yxy(70.3782, 0.2973, 0.3228)$

Have a look what the booklet for
Yxy(70.3782, 0.2973, 0.3228)
contains.

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Color

Yxy(70.0963, 0.2971, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	CCDDE3
RGB	204, 221, 227
RGB Percent	80%, 87%, 89%
CMY	0.2001, 0.1333, 0.1099
CMYK	0.10, 0.03, 0.00, 0.11
HSL	196°, 29%, 85%
HSV	196°, 10%, 89%
XYZ	64.6156, 70.0963, 82.7758
YIQ	216.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

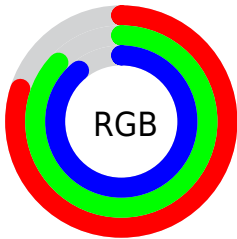
Format	Color
R _Y B	204, 214, 227
Decimal	13426147
CIE Lab	87.04, -4.51, -4.87
CIE LCh	87, 6.639, 227.213
Yxy	70.0963, 0.2971, 0.3223
Android (android.graphics.Color)	4291616227 (0xFFCCDDE3)
YUV	216.6010, 5.1267, -11.0511
Hunter-Lab	83.7235, -8.7546, -0.0124

Details

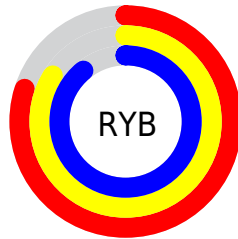
The Yxy color `70.0963, 0.2971, 0.3223` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `66.7473, 0.3298, 0.3356`, and the grayscale version is `69.0697, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.7350, 0.2934, 0.3202` is the 20% darker color. If you saturate the color by 10%, you get `64.0708, 0.2818, 0.3150`, and if you desaturate by 10%, it is `76.7038, 0.3125, 0.3289`.

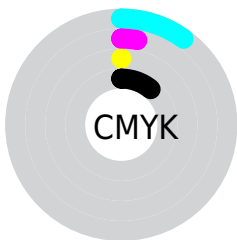
Distribution



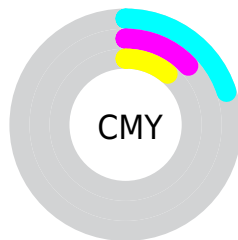
- Red (80%)
- Green (87%)
- Blue (89%)



- Red (80%)
- Yellow (84%)
- Blue (89%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0963, 0.2971, 0.3223 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 70.0963, 0.2971, 0.3223 by changing the saturation by 10% instead.

■ 70.0963, 0.2971,
0.3223

■ 70.0963, 0.2971,
0.3223

460.8881, 0.3044,
0.3255

■ 51.6050, 0.2954,
0.3216

119.3461, 0.2996,
0.3234

■ 36.6904, 0.2934,
0.3206

150.8734, 0.3006,
0.3238

■ 24.9678, 0.2908,
0.3195

187.5148, 0.3014,
0.3242

■ 16.0531, 0.2873,
0.3179

229.6548, 0.3022,
0.3245

■ 9.5617, 0.2827,
0.3157

277.6778, 0.3028,
0.3248

■ 5.1094, 0.2758,
0.3125

331.9680, 0.3034,

■ 2.3116, 0.2651,

0.3251

0.3071

392.9100, 0.3039,
0.3253

0.7798, 0.2410,
0.2978

0.0000, 0.0000,
0.0000

70.0963, 0.2971,
0.3223

70.0963, 0.2971,
0.3223

64.0708, 0.2818,
0.3150

76.7038, 0.3125,
0.3289

58.5973, 0.2670,
0.3071

83.9046, 0.3278,
0.3349

53.6560, 0.2529,
0.2986

88.3376, 0.3310,
0.3406

49.2224, 0.2398,
0.2895

91.8311, 0.3304,
0.3463

■ 45.2698, 0.2283,
0.2801

■ 95.4377, 0.3297,
0.3519

■ 41.7683, 0.2184,
0.2705

■ 98.3245, 0.3292,
0.3562

■ 38.6841, 0.2105,
0.2607

■ 35.9772, 0.2046,
0.2510

■ 33.6078, 0.2004,
0.2415

Harmonies

Analogous

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



70.0963, 0.2999, 0.3294



70.0963, 0.2971, 0.3223



70.0963, 0.2984, 0.3171

Triad

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



70.0963, 0.2971, 0.3223



70.0963, 0.3193, 0.3217



70.0963, 0.3218, 0.3431

Complementary

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



70.0963, 0.2971, 0.3223



66.7473, 0.3298, 0.3356

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.



70.0963, 0.3272, 0.3408



70.0963, 0.2971, 0.3223



70.0963, 0.3257, 0.3284

Square

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



70.0963, 0.2971, 0.3223



70.0963, 0.3112, 0.3169



70.0963, 0.3286, 0.3354



70.0963, 0.3141, 0.3416

Rectangle

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



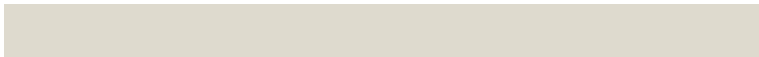
70.0963, 0.2971, 0.3223



70.0963, 0.3015, 0.3154



70.0963, 0.3286, 0.3354



70.0963, 0.3240, 0.3428

Sweetspot

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



70.0992, 0.2971, 0.3223



97.3196, 0.3081, 0.3271



72.3968, 0.3079, 0.3485



20.6796, 0.3068, 0.3266



0.0000, 0.0000, 0.0000



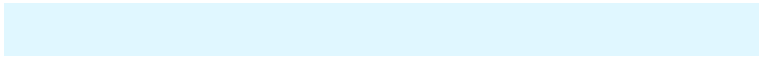
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0992, 0.2971, 0.3223



89.6961, 0.2941, 0.3209



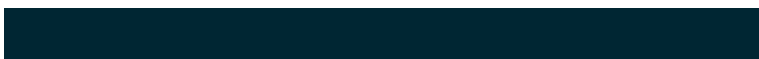
64.3379, 0.2970, 0.3095



15.6710, 0.2981, 0.3228



19.8038, 0.2008, 0.2429



1.6115, 0.2047, 0.2570

Inverse Universe

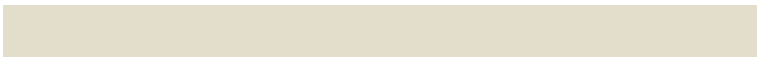
The Inverse Universe completely reimagines the original color for something new.



64.7236, 0.3181, 0.3105



81.5063, 0.3193, 0.3068



72.5161, 0.3285, 0.3478



14.5481, 0.3177, 0.3117



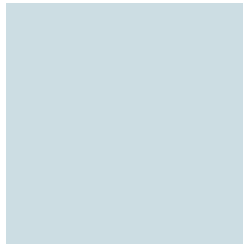
11.1969, 0.3993, 0.1973



0.8424, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 70.0963, 0.2971, 0.3223 looks on a white background.

Color Contrast Check

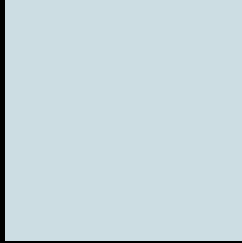
Large Text (above 18pt) WCAG AA × Fail

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 70.0963, 0.2971, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

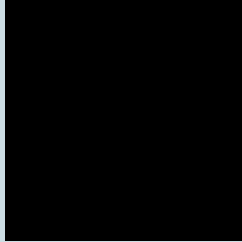
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

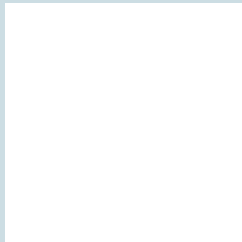
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0963, 0.2971, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 70.0963, 0.2971, 0.3223.

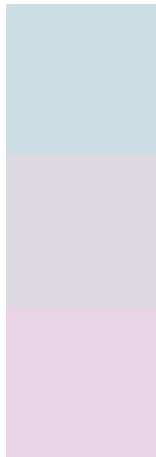


This preview shows how white text looks on a background with the Yxy color 70.0963, 0.2971, 0.3223.

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

70.0963, 0.2971, 0.3223

Protanopia

70.2232, 0.3102, 0.3214

Deuteranopia

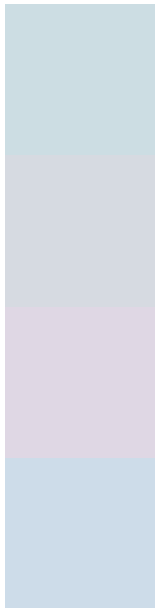
69.7381, 0.3173, 0.3100



Tritanopia

69.8993, 0.2922, 0.3092

Trichromacy



Original Color

70.0963, 0.2971, 0.3223

Protanomaly

69.8752, 0.3053, 0.3213

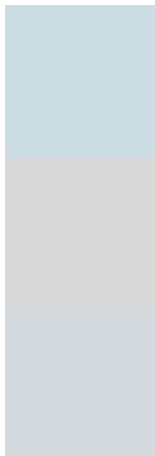
Deuteranomaly

69.8903, 0.3098, 0.3150

Tritanomaly

70.0487, 0.2940, 0.3146

Monochromacy



Original Color

70.0963, 0.2971, 0.3223

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3603, 0.3065, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0963, 0.2971, 0.3223 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(204, 221, 227) looks like.

```
.text, #text, p{  
    color:rgb(204, 221, 227)  
}
```

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(204, 221, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 221, 227) }
```

Border

The CSS property to change the border of an element to Yxy 70.0963, 0.2971, 0.3223 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(204, 221, 227) }
```

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

```
.border{ border-color:rgb(204, 221, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 221, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 221, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 221, 227);  
box-shadow:4px 4px 4px 4px rgb(204, 221,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0963, 0.2971, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 221, 227) }
```

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

```
.background{ background-color: rgb(204,  
221, 227) }
```

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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