

Converting Colors

$Y_{xy}(70.3272, 0.2931, 0.3244)$

Have a look what the booklet for
Yxy(70.3272, 0.2931, 0.3244)
contains.

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Color

Yxy(70.3272, 0.2931, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	C6DFE3
RGB	198, 223, 227
RGB Percent	78%, 87%, 89%
CMY	0.2236, 0.1255, 0.1097
CMYK	0.13, 0.02, 0.00, 0.11
HSL	188°, 34%, 83%
HSV	188°, 13%, 89%
XYZ	63.5416, 70.3272, 82.9228
YIQ	215.9810, -16.1840, -4.0560

Conversions

Conversions Part 2

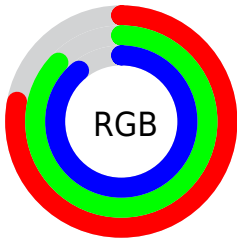
Format	Color
RYB	198, 211, 227
Decimal	13033443
CIELab	87.16, -7.45, -4.79
CIElCh	87, 8.851, 212.726
Yxy	70.3272, 0.2931, 0.3244
Android (android.graphics.Color)	4291223523 (0xFFC6DFE3)
YUV	215.9810, 5.4324, -15.7693
Hunter-Lab	83.8613, -11.5081, 0.0765

Details

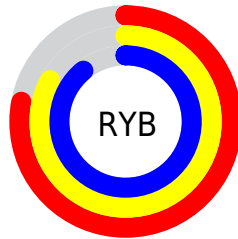
The Yxy color **70.3272, 0.2931, 0.3244** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.6600, 0.3354, 0.3336**, and the grayscale version is **68.6274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9131, 0.2883, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **65.8060, 0.2784, 0.3204**, and if you desaturate by 10%, it is **75.3480, 0.3084, 0.3280**.

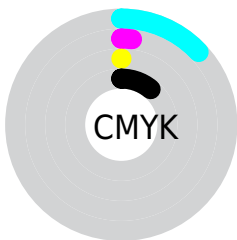
Distribution



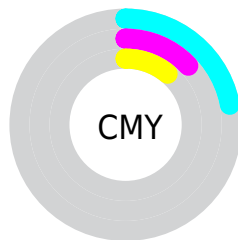
- Red (78%)
- Green (87%)
- Blue (89%)



- Red (78%)
- Yellow (83%)
- Blue (89%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3272, 0.2931, 0.3244 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 70.3272, 0.2931, 0.3244 by changing the saturation by 10% instead.

■ 70.3272, 0.2931,
0.3244

■ 70.3272, 0.2931,
0.3244

461.6980, 0.3022,
0.3266

■ 51.7933, 0.2910,
0.3239

119.6752, 0.2963,
0.3252

■ 36.8404, 0.2884,
0.3232

151.2582, 0.2975,
0.3255

■ 25.0839, 0.2852,
0.3223

187.9597, 0.2985,
0.3257

■ 16.1396, 0.2809,
0.3212

230.1640, 0.2995,
0.3260

■ 9.6230, 0.2751,
0.3196

278.2556, 0.3003,
0.3262

■ 5.1497, 0.2666,
0.3171

332.6189, 0.3010,

■ 2.3354, 0.2533,

0.3263

0.3130

393.6382, 0.3016,
0.3265

0.7923, 0.2214,
0.3071

0.0000, 0.0000,
0.0000

70.3272, 0.2931,
0.3244

70.3272, 0.2931,
0.3244

65.8060, 0.2784,
0.3204

75.3480, 0.3084,
0.3280

61.7549, 0.2645,
0.3162

80.8789, 0.3239,
0.3313

58.1546, 0.2518,
0.3117

84.7760, 0.3317,
0.3344

54.9810, 0.2406,
0.3069

86.5691, 0.3314,
0.3375

■ 52.2076, 0.2311,
0.3021

■ 88.3942, 0.3310,
0.3406

■ 49.8046, 0.2235,
0.2972

■ 90.2514, 0.3306,
0.3437

■ 47.7378, 0.2178,
0.2922

■ 92.1408, 0.3303,
0.3467

■ 45.9660, 0.2140,
0.2873

■ 94.0627, 0.3299,
0.3497

■ 44.8247, 0.2122,
0.2838

■ 96.0172, 0.3295,
0.3527

Harmonies

Analogous

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



70.3272, 0.2991, 0.3343



70.3272, 0.2931, 0.3244



70.3272, 0.2922, 0.3160

Triad

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



70.3272, 0.2931, 0.3244



70.3272, 0.3163, 0.3158



70.3272, 0.3288, 0.3470

Complementary

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



70.3272, 0.2931, 0.3244



62.6600, 0.3354, 0.3336

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.



70.3272, 0.3337, 0.3416



70.3272, 0.2931, 0.3244



70.3272, 0.3264, 0.3237

Square

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



70.3272, 0.2931, 0.3244



70.3272, 0.3055, 0.3112



70.3272, 0.3328, 0.3331



70.3272, 0.3197, 0.3475

Rectangle

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



70.3272, 0.2931, 0.3244



70.3272, 0.2946, 0.3124



70.3272, 0.3328, 0.3331



70.3272, 0.3310, 0.3457

Sweetspot

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



70.3301, 0.2931, 0.3244



97.2173, 0.3065, 0.3276



71.2184, 0.3087, 0.3580



20.6991, 0.3053, 0.3273



0.0000, 0.0000, 0.0000



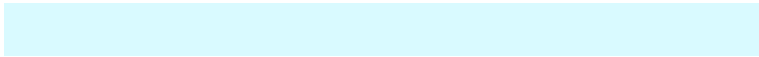
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3301, 0.2931, 0.3244



90.1155, 0.2897, 0.3235



62.9740, 0.2927, 0.3079



15.9776, 0.2981, 0.3257



26.2616, 0.2124, 0.2846



2.0350, 0.2144, 0.2917

Inverse Universe

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



62.0453, 0.3171, 0.3018



77.6400, 0.3180, 0.2968



69.7212, 0.3333, 0.3493



14.5790, 0.3159, 0.3090



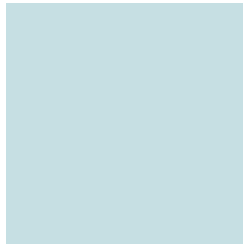
11.8488, 0.3593, 0.1753



0.8851, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 70.3272, 0.2931, 0.3244 looks on a white background.

Color Contrast Check

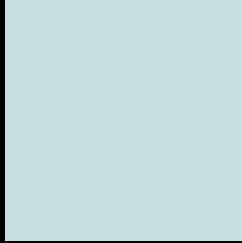
Large Text (above 18pt) WCAG AA × Fail

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 70.3272, 0.2931, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

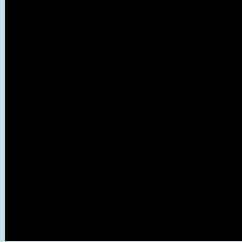
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

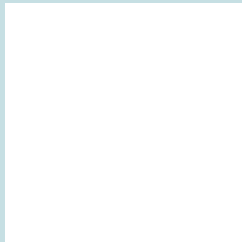
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3272, 0.2931, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 70.3272, 0.2931, 0.3244.

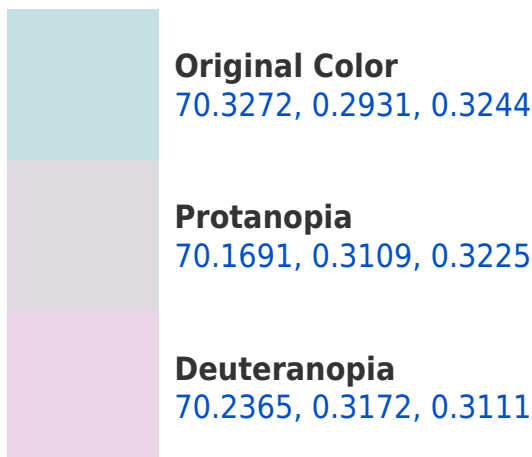


This preview shows how white text looks on a background with the Yxy color 70.3272, 0.2931, 0.3244.

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

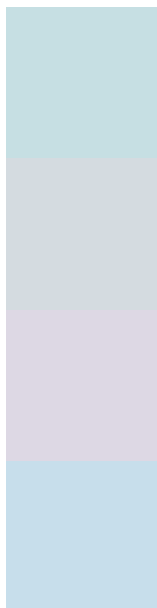




Tritanopia

70.2243, 0.2871, 0.3090

Trichromacy



Original Color

70.3272, 0.2931, 0.3244

Protanomaly

70.0419, 0.3045, 0.3235

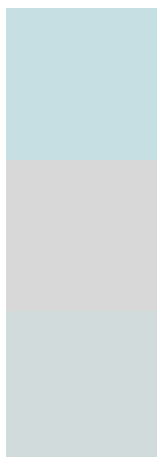
Deuteranomaly

70.0853, 0.3083, 0.3160

Tritanomaly

70.3828, 0.2889, 0.3145

Monochromacy



Original Color

70.3272, 0.2931, 0.3244

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.3857, 0.3050, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3272, 0.2931, 0.3244 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(198, 223, 227)` looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 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(198, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 227) }
```

Border

The CSS property to change the border of an element to Yxy 70.3272, 0.2931, 0.3244 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(198, 223, 227) }
```

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

```
.border{ border-color:rgb(198, 223, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 223, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 223, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 223, 227); box-shadow:4px 4px 4px 4px rgb(198, 223, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3272, 0.2931, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 227) }
```

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

```
.background{ background-color: rgb(198,  
223, 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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