

Converting Colors

$Yxy(70.8426, 0.2965, 0.3263)$

Have a look what the booklet for
Yxy(70.8426, 0.2965, 0.3263)
contains.

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Color

Yxy(70.8229, 0.2964, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	CADFE2
RGB	202, 223, 226
RGB Percent	79%, 87%, 89%
CMY	0.2078, 0.1255, 0.1137
CMYK	0.11, 0.01, 0.00, 0.11
HSL	187°, 29%, 84%
HSV	187°, 11%, 89%
XYZ	64.4715, 70.8229, 82.2207
YIQ	217.0630, -13.4790, -3.5190

Conversions

Conversions Part 2

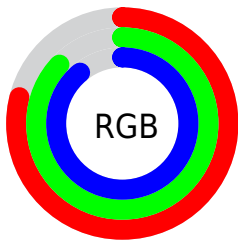
Format	Color
R _Y B	202, 213, 226
Decimal	13295586
CIE Lab	87.40, -6.37, -3.85
CIE LCh	87, 7.441, 211.173
Yxy	70.8229, 0.2964, 0.3256
Android (android.graphics.Color)	4291485666 (0xFFCADFE2)
YUV	217.0630, 4.4059, -13.2103
Hunter-Lab	84.1563, -10.5263, 0.9832

Details

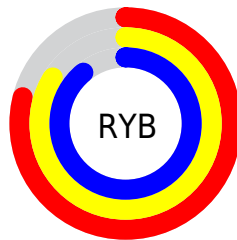
The Yxy color `70.8229, 0.2964, 0.3256` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `64.0913, 0.3311, 0.3324`, and the grayscale version is `69.4111, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.2414, 0.2925, 0.3245` is the 20% darker color. If you saturate the color by 10%, you get `66.4077, 0.2816, 0.3221`, and if you desaturate by 10%, it is `75.7308, 0.3118, 0.3288`.

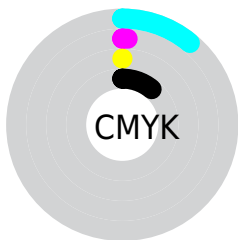
Distribution



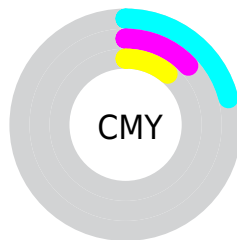
- Red (79%)
- Green (87%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8229, 0.2964, 0.3256 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 70.8229, 0.2964, 0.3256 by changing the saturation by 10% instead.

■ 70.8229, 0.2964,
0.3256

■ 70.8229, 0.2964,
0.3256

463.4341, 0.3040,
0.3272

■ 52.1977, 0.2947,
0.3252

120.3815, 0.2990,
0.3262

■ 37.1627, 0.2925,
0.3247

152.0837, 0.3000,
0.3264

■ 25.3335, 0.2898,
0.3241

188.9137, 0.3009,
0.3266

■ 16.3257, 0.2863,
0.3232

231.2558, 0.3017,
0.3268

■ 9.7549, 0.2814,
0.3221

279.4946, 0.3024,
0.3269

■ 5.2368, 0.2744,
0.3203

334.0143, 0.3030,

■ 2.3868, 0.2633,

0.3270

395.1993, 0.3035,
0.3271

0.3172

0.8191, 0.2381,
0.3130

0.0000, 0.0000,
0.0000

70.8229, 0.2964,
0.3256

70.8229, 0.2964,
0.3256

66.4077, 0.2816,
0.3221

75.7308, 0.3118,
0.3288

62.4561, 0.2676,
0.3183

81.1412, 0.3274,
0.3317

58.9495, 0.2548,
0.3143

84.1594, 0.3325,
0.3345

55.8647, 0.2434,
0.3101

85.7534, 0.3322,
0.3373

■ 53.1759, 0.2337,
0.3058

■ 87.3729, 0.3319,
0.3400

■ 50.8546, 0.2258,
0.3014

■ 89.0181, 0.3315,
0.3428

■ 48.8681, 0.2199,
0.2970

■ 90.6891, 0.3312,
0.3455

■ 47.1775, 0.2159,
0.2927

■ 92.3859, 0.3309,
0.3482

■ 45.7983, 0.2135,
0.2886

■ 94.1086, 0.3305,
0.3509

Harmonies

Analogous

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



70.8229, 0.3017, 0.3339



70.8229, 0.2964, 0.3256



70.8229, 0.2954, 0.3184

Triad

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



70.8229, 0.2964, 0.3256



70.8229, 0.3153, 0.3176



70.8229, 0.3266, 0.3439

Complementary

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



70.8229, 0.2964, 0.3256



64.0913, 0.3311, 0.3324

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.



70.8229, 0.3303, 0.3393



70.8229, 0.2964, 0.3256



70.8229, 0.3238, 0.3242

Square

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



70.8229, 0.2964, 0.3256



70.8229, 0.3062, 0.3140



70.8229, 0.3293, 0.3321



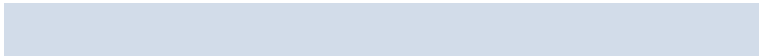
70.8229, 0.3191, 0.3445

Rectangle

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



70.8229, 0.2964, 0.3256



70.8229, 0.2973, 0.3152



70.8229, 0.3293, 0.3321



70.8229, 0.3283, 0.3428

Sweetspot

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



70.8259, 0.2964, 0.3256



97.9709, 0.3080, 0.3281



71.3460, 0.3096, 0.3532



20.8559, 0.3068, 0.3278



0.0000, 0.0000, 0.0000



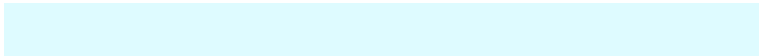
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8259, 0.2964, 0.3256



91.6374, 0.2927, 0.3248



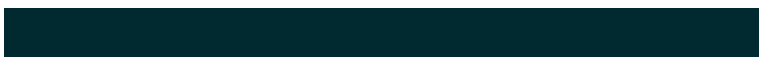
64.7350, 0.2962, 0.3122



15.2654, 0.2982, 0.3260



26.2488, 0.2137, 0.2893



1.9023, 0.2156, 0.2960

Inverse Universe

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



63.7375, 0.3161, 0.3061



80.3796, 0.3169, 0.3007



69.9545, 0.3296, 0.3453



13.9047, 0.3157, 0.3087



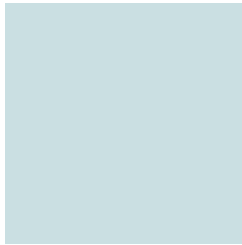
11.5579, 0.3550, 0.1729



0.8095, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 70.8229, 0.2964, 0.3256 looks on a white background.

Color Contrast Check

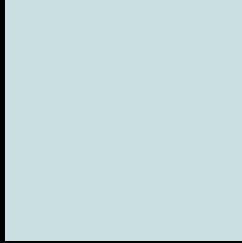
Large Text (above 18pt) WCAG AA × Fail

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 70.8229, 0.2964, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

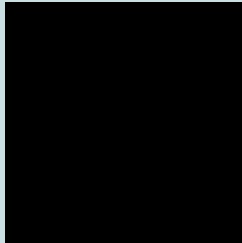
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

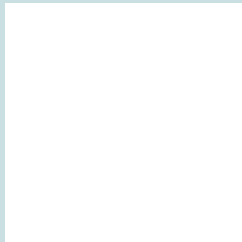
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8229, 0.2964, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 70.8229, 0.2964, 0.3256.



This preview shows how white text looks on a background with the Yxy color 70.8229, 0.2964, 0.3256.

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

70.8229, 0.2964, 0.3256

Protanopia

70.8427, 0.3115, 0.3236

Deuteranopia

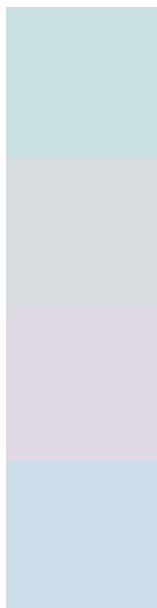
70.5213, 0.3194, 0.3122



Tritanopia

70.7823, 0.2898, 0.3092

Trichromacy



Original Color

70.8229, 0.2964, 0.3256

Protanomaly

70.8644, 0.3059, 0.3246

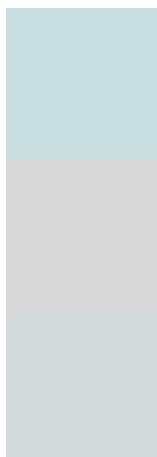
Deuteranomaly

70.5051, 0.3111, 0.3172

Tritanomaly

70.8796, 0.2921, 0.3157

Monochromacy



Original Color

70.8229, 0.2964, 0.3256

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.8274, 0.3071, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8229, 0.2964, 0.3256 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(202, 223, 226)` looks like.

```
.text, #text, p{  
    color:rgb(202, 223, 226)  
}
```

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(202, 223, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 223, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.8229, 0.2964, 0.3256 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(202, 223, 226) }
```

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

```
.border{ border-color:rgb(202, 223, 226) }
```

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

Here you see how a box with a 4 pixel rgb(202, 223, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 223, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 223, 226);  
box-shadow:4px 4px 4px 4px rgb(202, 223,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8229, 0.2964, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 223, 226) }
```

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

```
.background{ background-color: rgb(202,  
223, 226) }
```

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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