

Converting Colors

$Yxy(68.7712, 0.2968, 0.3218)$

Have a look what the booklet for
Yxy(68.7712, 0.2968, 0.3218)
contains.

Yxy(68.6558, 0.2970, 0.3222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.6558, 0.2970, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	CADBE1
RGB	202, 219, 225
RGB Percent	79%, 86%, 88%
CMY	0.2077, 0.1412, 0.1177
CMYK	0.10, 0.03, 0.00, 0.12
HSL	196°, 28%, 84%
HSV	196°, 10%, 88%
XYZ	63.2861, 68.6558, 81.1425
YIQ	214.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

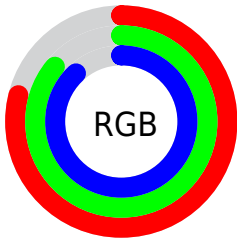
Format	Color
R_{YB}	202, 212, 225
Decimal	13294561
CIE Lab	86.33, -4.48, -4.89
CIE LCh	86, 6.633, 227.485
Yxy	68.6558, 0.2970, 0.3222
Android (android.graphics.Color)	4291484641 (0xFFCADBE1)
YUV	214.6010, 5.1267, -11.0511
Hunter-Lab	82.8588, -8.6678, -0.0608

Details

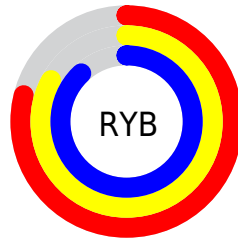
The Yxy color **68.6558, 0.2970, 0.3222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.4021, 0.3299, 0.3357**, and the grayscale version is **67.6475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7491, 0.2931, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **62.7319, 0.2817, 0.3149**, and if you desaturate by 10%, it is **75.1514, 0.3124, 0.3289**.

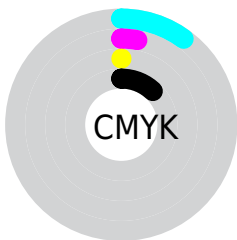
Distribution



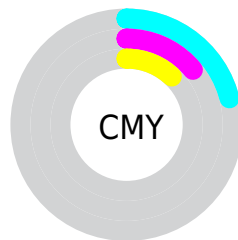
- Red (79%)
- Green (86%)
- Blue (88%)



- Red (79%)
- Yellow (83%)
- Blue (88%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (21%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6558, 0.2970, 0.3222 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 68.6558, 0.2970, 0.3222 by changing the saturation by 10% instead.

■ 68.6558, 0.2970,
0.3222

■ 68.6558, 0.2970,
0.3222

455.8161, 0.3043,
0.3254

■ 50.4314, 0.2953,
0.3214

117.2898, 0.2996,
0.3233

■ 35.7563, 0.2932,
0.3205

148.4683, 0.3005,
0.3238

■ 24.2461, 0.2906,
0.3193

184.7336, 0.3014,
0.3241

■ 15.5163, 0.2871,
0.3177

226.4700, 0.3021,
0.3245

■ 9.1825, 0.2823,
0.3154

274.0621, 0.3028,
0.3248

■ 4.8604, 0.2753,
0.3120

327.8943, 0.3034,

■ 2.1656, 0.2641,

0.3250

388.3508, 0.3039,
0.3252

0.3065

0.7011, 0.2350,
0.2958

0.0000, 0.0000,
0.0000

68.6558, 0.2970,
0.3222

68.6558, 0.2970,
0.3222

62.7319, 0.2817,
0.3149

75.1514, 0.3124,
0.3289

57.3501, 0.2669,
0.3069

82.2296, 0.3277,
0.3349

52.4912, 0.2527,
0.2983

87.0492, 0.3326,
0.3406

48.1310, 0.2397,
0.2892

90.5018, 0.3319,
0.3463

■ 44.2434, 0.2281,
0.2797

■ 94.0669, 0.3311,
0.3519

■ 40.7991, 0.2183,
0.2699

■ 97.7456, 0.3304,
0.3575

■ 37.7649, 0.2103,
0.2601

■ 98.2157, 0.3304,
0.3582

■ 35.1017, 0.2044,
0.2503

■ 32.7856, 0.2002,
0.2408

Harmonies

Analogous

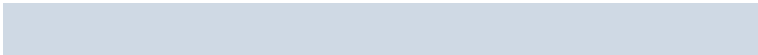
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6558, 0.2998, 0.3293



68.6558, 0.2970, 0.3222



68.6558, 0.2984, 0.3170

Triad

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



68.6558, 0.2970, 0.3222



68.6558, 0.3194, 0.3217



68.6558, 0.3218, 0.3432

Complementary

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



68.6558, 0.2970, 0.3222



65.4021, 0.3299, 0.3357

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.



68.6558, 0.3272, 0.3409



68.6558, 0.2970, 0.3222



68.6558, 0.3258, 0.3285

Square

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



68.6558, 0.2970, 0.3222



68.6558, 0.3113, 0.3168



68.6558, 0.3287, 0.3355



68.6558, 0.3140, 0.3416

Rectangle

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



68.6558, 0.2970, 0.3222



68.6558, 0.3015, 0.3153



68.6558, 0.3287, 0.3355



68.6558, 0.3240, 0.3429

Sweetspot

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



68.6587, 0.2970, 0.3222



97.3093, 0.3081, 0.3271



70.9508, 0.3078, 0.3486



20.6768, 0.3068, 0.3265



0.0000, 0.0000, 0.0000



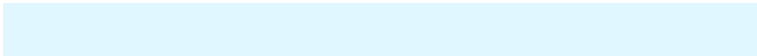
21.4041, 0.3127, 0.3290

Same Dimension

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



68.6587, 0.2970, 0.3222



89.6564, 0.2941, 0.3209



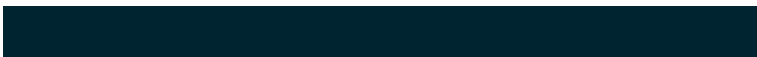
63.0023, 0.2969, 0.3093



14.9346, 0.2982, 0.3227



19.0936, 0.2006, 0.2423



1.4664, 0.2048, 0.2572

Inverse Universe

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



63.3810, 0.3182, 0.3104



81.5023, 0.3193, 0.3069



71.0676, 0.3286, 0.3479



13.8713, 0.3178, 0.3118



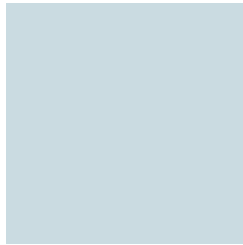
10.8356, 0.4000, 0.1977



0.7655, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 68.6558, 0.2970, 0.3222 looks on a white background.

Color Contrast Check

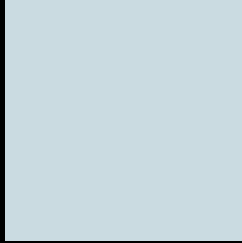
Large Text (above 18pt) WCAG AA × Fail

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 68.6558, 0.2970, 0.3222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

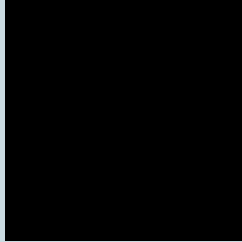
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

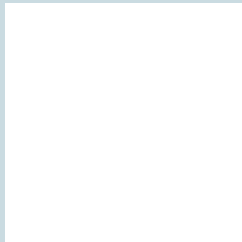
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6558, 0.2970, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 68.6558, 0.2970, 0.3222.

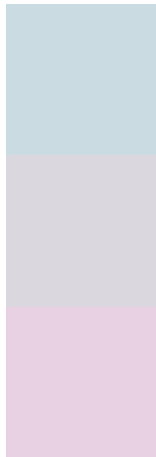


This preview shows how white text looks on a background with the Yxy color 68.6558, 0.2970, 0.3222.

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

68.6558, 0.2970, 0.3222

Protanopia

68.7802, 0.3102, 0.3213

Deuteranopia

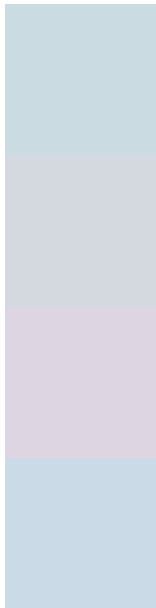
68.3028, 0.3173, 0.3099



Tritanopia

68.4612, 0.2920, 0.3090

Trichromacy



Original Color

68.6558, 0.2970, 0.3222

Protanomaly

68.4365, 0.3052, 0.3212

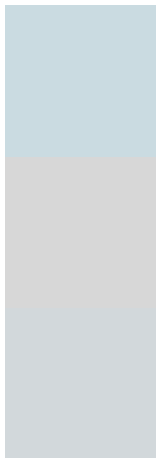
Deuteranomaly

68.4516, 0.3097, 0.3149

Tritanomaly

68.6088, 0.2939, 0.3144

Monochromacy



Original Color

68.6558, 0.2970, 0.3222

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.9278, 0.3064, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6558, 0.2970, 0.3222 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, 219, 225)` looks like.

```
.text, #text, p{  
    color:rgb(202, 219, 225)  
}
```

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, 219, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 219, 225) }
```

Border

The CSS property to change the border of an element to Yxy 68.6558, 0.2970, 0.3222 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, 219, 225) }
```

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

```
.border{ border-color:rgb(202, 219, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 219, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 219, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 219, 225);  
box-shadow:4px 4px 4px 4px rgb(202, 219,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6558, 0.2970, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 219, 225) }
```

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

```
.background{ background-color: rgb(202,  
219, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor