

Converting Colors

Yxy(67.6317, 0.2977, 0.3212)

Have a look what the booklet for
Yxy(67.6317, 0.2977, 0.3212)
contains.

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Color

Yxy(67.5641, 0.2976, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	CAD9E0
RGB	202, 217, 224
RGB Percent	79%, 85%, 88%
CMY	0.2076, 0.1491, 0.1215
CMYK	0.10, 0.03, 0.00, 0.12
HSL	199°, 26%, 84%
HSV	199°, 10%, 88%
XYZ	62.6389, 67.5641, 80.2771
YIQ	213.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

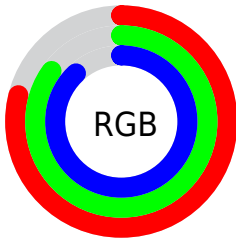
Format	Color
R _Y B	202, 211, 224
Decimal	13294048
CIE Lab	85.79, -3.63, -5.18
CIE LCh	86, 6.324, 235.024
Yxy	67.5641, 0.2976, 0.3210
Android (android.graphics.Color)	4291484128 (0xFFCAD9E0)
YUV	213.3130, 5.2687, -9.9215
Hunter-Lab	82.1974, -7.8187, -0.3667

Details

The Yxy color **67.5641, 0.2976, 0.3210** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7678, 0.3290, 0.3369**, and the grayscale version is **66.7380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0011, 0.2939, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **61.0439, 0.2821, 0.3120**, and if you desaturate by 10%, it is **74.7047, 0.3130, 0.3292**.

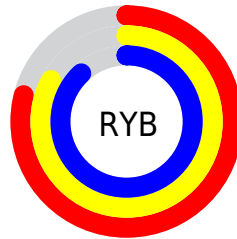
Distribution



Red (79%)

Green (85%)

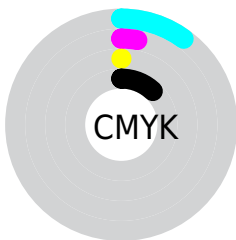
Blue (88%)



Red (79%)

Yellow (83%)

Blue (88%)

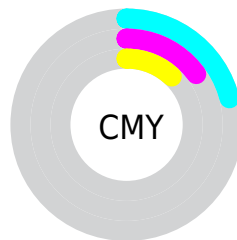


Cyan (10%)

Magenta (3%)

Yellow (0%)

Black (12%)



Cyan (21%)

Magenta (15%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5641, 0.2976, 0.3210 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 67.5641, 0.2976, 0.3210 by changing the saturation by 10% instead.

■ 67.5641, 0.2976,
0.3210

■ 67.5641, 0.2976,
0.3210

451.9501, 0.3047,
0.3248

■ 49.5432, 0.2960,
0.3201

115.7283, 0.3001,
0.3223

■ 35.0506, 0.2939,
0.3190

146.6405, 0.3010,
0.3228

■ 23.7018, 0.2914,
0.3176

182.6184, 0.3018,
0.3233

■ 15.1126, 0.2880,
0.3157

224.0467, 0.3026,
0.3237

■ 8.8984, 0.2833,
0.3130

271.3096, 0.3032,
0.3240

■ 4.6750, 0.2764,
0.3091

324.7915, 0.3037,

■ 2.0579, 0.2654,

0.3243

0.3026

384.8769, 0.3042,
0.3246

0.6408, 0.2340,
0.2881

0.0000, 0.0000,
0.0000

67.5641, 0.2976,
0.3210

67.5641, 0.2976,
0.3210

61.0439, 0.2821,
0.3120

74.7047, 0.3130,
0.3292

55.1140, 0.2669,
0.3022

82.4773, 0.3281,
0.3365

49.7544, 0.2522,
0.2915

88.0968, 0.3330,
0.3434

44.9404, 0.2384,
0.2802

92.3728, 0.3321,
0.3503

■ 40.6451, 0.2260,
0.2684

■ 96.8176, 0.3312,
0.3571

■ 36.8387, 0.2151,
0.2562

■ 98.1631, 0.3309,
0.3591

■ 33.4875, 0.2062,
0.2439

■ 30.5520, 0.1994,
0.2316

■ 27.9658, 0.1944,
0.2196

Harmonies

Analogous

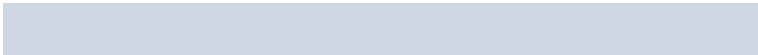
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.5641, 0.2993, 0.3275



67.5641, 0.2976, 0.3210



67.5641, 0.2999, 0.3167

Triad

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



67.5641, 0.2976, 0.3210



67.5641, 0.3209, 0.3235



67.5641, 0.3197, 0.3426

Complementary

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



67.5641, 0.2976, 0.3210



65.7678, 0.3290, 0.3369

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.



67.5641, 0.3256, 0.3413



67.5641, 0.2976, 0.3210



67.5641, 0.3264, 0.3303

Square

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



67.5641, 0.2976, 0.3210



67.5641, 0.3133, 0.3182



67.5641, 0.3281, 0.3368



67.5641, 0.3120, 0.3401

Rectangle

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



67.5641, 0.2976, 0.3210



67.5641, 0.3034, 0.3157



67.5641, 0.3281, 0.3368



67.5641, 0.3220, 0.3426

Sweetspot

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



67.5669, 0.2976, 0.3210



97.0238, 0.3081, 0.3266



70.4937, 0.3071, 0.3461



20.5996, 0.3068, 0.3260



0.0000, 0.0000, 0.0000



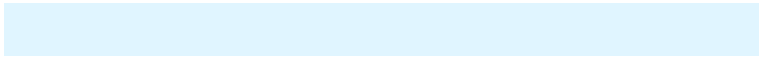
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5669, 0.2976, 0.3210



88.5539, 0.2941, 0.3190



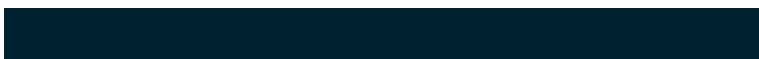
62.1330, 0.2975, 0.3085



14.7930, 0.2982, 0.3213



16.4621, 0.1948, 0.2212



1.3007, 0.1999, 0.2398

Inverse Universe

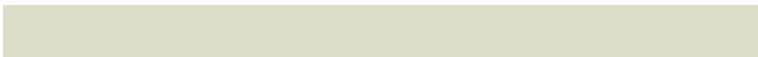
The Inverse Universe completely reimagines the original color for something new.



63.1299, 0.3189, 0.3126



81.3910, 0.3205, 0.3086



71.3036, 0.3277, 0.3487



13.8570, 0.3187, 0.3132



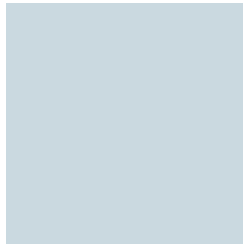
10.5699, 0.4219, 0.2098



0.7488, 0.4025, 0.1991

Previews

White Background



This preview shows how the Yxy color 67.5641, 0.2976, 0.3210 looks on a white background.

Color Contrast Check

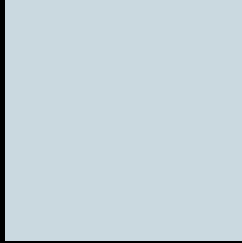
Large Text (above 18pt) WCAG AA × Fail

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 67.5641, 0.2976, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

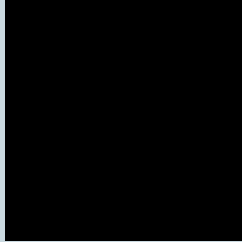
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

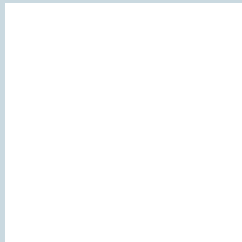
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5641, 0.2976, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 67.5641, 0.2976, 0.3210.

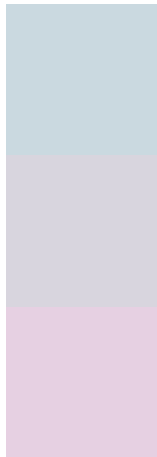


This preview shows how white text looks on a background with the Yxy color 67.5641, 0.2976, 0.3210.

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

67.5641, 0.2976, 0.3210

Protanopia

67.4614, 0.3088, 0.3190

Deuteranopia

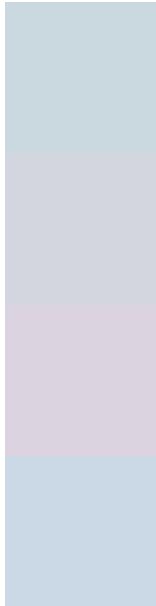
67.4257, 0.3166, 0.3098



Tritanopia

67.8323, 0.2933, 0.3100

Trichromacy



Original Color

67.5641, 0.2976, 0.3210

Protanomaly

67.2697, 0.3045, 0.3189

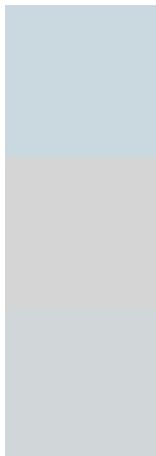
Deuteranomaly

67.2404, 0.3098, 0.3137

Tritanomaly

67.5214, 0.2945, 0.3133

Monochromacy



Original Color

67.5641, 0.2976, 0.3210

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.6582, 0.3071, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5641, 0.2976, 0.3210 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, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(202, 217, 224)  
}
```

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, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 217, 224) }
```

Border

The CSS property to change the border of an element to Yxy 67.5641, 0.2976, 0.3210 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, 217, 224) }
```

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

```
.border{ border-color:rgb(202, 217, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(202, 217,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5641, 0.2976, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 217, 224) }
```

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

```
.background{ background-color: rgb(202,  
217, 224) }
```

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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