

Converting Colors

$Yxy(68.1182, 0.2977, 0.3265)$

Have a look what the booklet for
Yxy(68.1182, 0.2977, 0.3265)
contains.

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Color

Yxy(68.1629, 0.2981, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	C8DBDD
RGB	200, 219, 221
RGB Percent	78%, 86%, 87%
CMY	0.2158, 0.1411, 0.1333
CMYK	0.10, 0.01, 0.00, 0.13
HSL	186°, 24%, 83%
HSV	186°, 10%, 87%
XYZ	62.1958, 68.1629, 78.2820
YIQ	213.5470, -11.9660, -3.4060

Conversions

Conversions Part 2

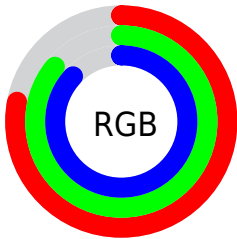
Format	Color
R_{YB}	200, 210, 221
Decimal	13163485
CIE Lab	86.09, -5.95, -3.16
CIE LCh	86, 6.732, 207.957
Yxy	68.1629, 0.2981, 0.3267
Android (android.graphics.Color)	4291353565 (0xFFC8DBDD)
YUV	213.5470, 3.6743, -11.8807
Hunter-Lab	82.5608, -10.0115, 1.5754

Details

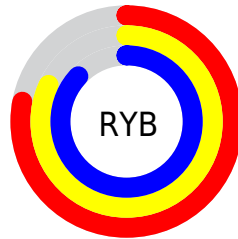
The Yxy color **68.1629, 0.2981, 0.3267** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7609, 0.3291, 0.3313**, and the grayscale version is **66.9045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4151, 0.2946, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **64.2589, 0.2833, 0.3241**, and if you desaturate by 10%, it is **72.5261, 0.3135, 0.3291**.

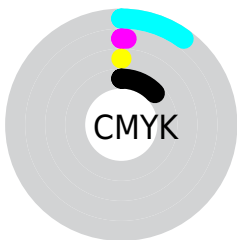
Distribution



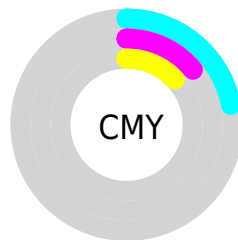
- Red (78%)
- Green (86%)
- Blue (87%)



- Red (78%)
- Yellow (82%)
- Blue (87%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (22%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1629, 0.2981, 0.3267 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 68.1629, 0.2981, 0.3267 by changing the saturation by 10% instead.

■ 68.1629, 0.2981,
0.3267

■ 68.1629, 0.2981,
0.3267

454.0730, 0.3049,
0.3278

■ 50.0303, 0.2965,
0.3264

116.5852, 0.3005,
0.3271

■ 35.4375, 0.2946,
0.3261

147.6436, 0.3014,
0.3273

■ 24.0000, 0.2921,
0.3256

183.7794, 0.3022,
0.3274

■ 15.3337, 0.2888,
0.3250

225.3769, 0.3029,
0.3275

■ 9.0539, 0.2843,
0.3242

272.8207, 0.3035,
0.3276

■ 4.7763, 0.2777,
0.3229

326.4950, 0.3040,

■ 2.1166, 0.2671,

0.3277

386.7843, 0.3045,
0.3278

0.3206

0.6740, 0.2333,
0.3173

0.0000, 0.0000,
0.0000

68.1629, 0.2981,
0.3267

68.1629, 0.2981,
0.3267

64.2589, 0.2833,
0.3241

72.5261, 0.3135,
0.3291

60.7866, 0.2694,
0.3213

77.3575, 0.3291,
0.3313

57.7287, 0.2567,
0.3183

80.4759, 0.3367,
0.3333

55.0633, 0.2455,
0.3151

81.6120, 0.3364,
0.3354

■ 52.7666, 0.2360,
0.3119

■ 82.7619, 0.3361,
0.3375

■ 50.8120, 0.2283,
0.3086

■ 83.9256, 0.3359,
0.3395

■ 49.1690, 0.2226,
0.3054

■ 85.1033, 0.3356,
0.3416

■ 47.8019, 0.2187,
0.3021

■ 86.2949, 0.3353,
0.3436

■ 46.6506, 0.2164,
0.2989

■ 87.5006, 0.3350,
0.3457

Harmonies

Analogous

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



68.1629, 0.3033, 0.3342



68.1629, 0.2981, 0.3267



68.1629, 0.2967, 0.3199

Triad

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



68.1629, 0.2981, 0.3267



68.1629, 0.3142, 0.3180



68.1629, 0.3260, 0.3424

Complementary

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



68.1629, 0.2981, 0.3267



61.7609, 0.3291, 0.3313

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.



68.1629, 0.3290, 0.3378



68.1629, 0.2981, 0.3267



68.1629, 0.3221, 0.3238

Square

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



68.1629, 0.2981, 0.3267



68.1629, 0.3059, 0.3151



68.1629, 0.3276, 0.3310



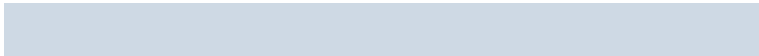
68.1629, 0.3194, 0.3434

Rectangle

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



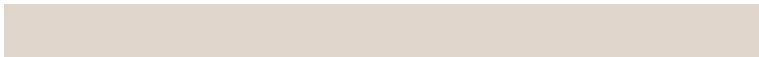
68.1629, 0.2981, 0.3267



68.1629, 0.2982, 0.3168



68.1629, 0.3276, 0.3310



68.1629, 0.3274, 0.3412

Sweetspot

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



68.1658, 0.2981, 0.3267



98.1182, 0.3080, 0.3283



68.2380, 0.3104, 0.3513



20.8958, 0.3068, 0.3281



0.0000, 0.0000, 0.0000



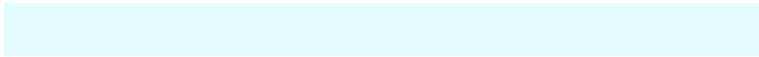
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1658, 0.2981, 0.3267



93.3858, 0.2957, 0.3263



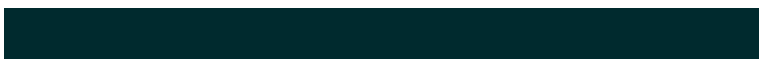
62.9657, 0.2980, 0.3149



14.6085, 0.2982, 0.3267



27.1601, 0.2165, 0.2993



1.8220, 0.2179, 0.3045

Inverse Universe

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



61.7826, 0.3152, 0.3079



83.2215, 0.3157, 0.3043



66.7459, 0.3278, 0.3428



13.2526, 0.3152, 0.3081



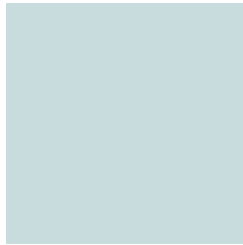
11.3656, 0.3461, 0.1680



0.7426, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 68.1629, 0.2981, 0.3267 looks on a white background.

Color Contrast Check

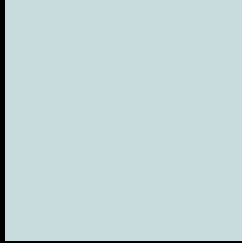
Large Text (above 18pt) WCAG AA × Fail

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 68.1629, 0.2981, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

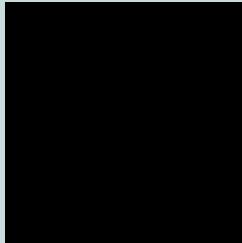
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

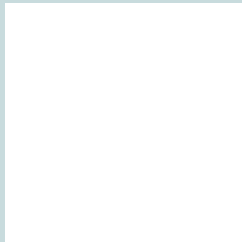
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1629, 0.2981, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 68.1629, 0.2981, 0.3267.

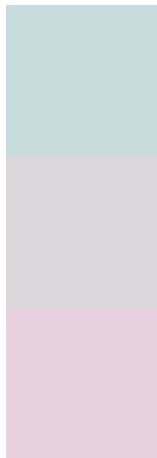


This preview shows how white text looks on a background with the Yxy color 68.1629, 0.2981, 0.3267.

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

68.1629, 0.2981, 0.3267

Protanopia

68.0605, 0.3129, 0.3246

Deuteranopia

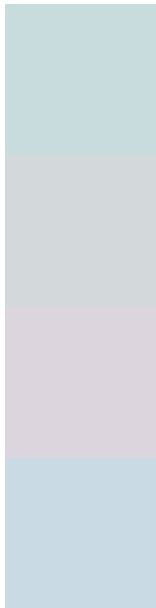
68.0844, 0.3201, 0.3141



Tritanopia

68.1228, 0.2913, 0.3100

Trichromacy



Original Color

68.1629, 0.2981, 0.3267

Protanomaly

68.0751, 0.3071, 0.3256

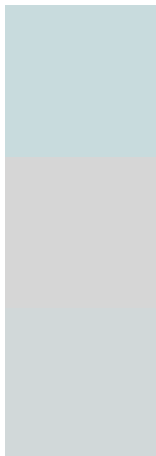
Deuteranomaly

68.0781, 0.3117, 0.3191

Tritanomaly

68.2175, 0.2938, 0.3166

Monochromacy



Original Color

68.1629, 0.2981, 0.3267

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.6768, 0.3070, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1629, 0.2981, 0.3267 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(200, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(200, 219, 221)  
}
```

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(200, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 219, 221) }
```

Border

The CSS property to change the border of an element to Yxy 68.1629, 0.2981, 0.3267 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(200, 219, 221) }
```

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

```
.border{ border-color:rgb(200, 219, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 219, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(200, 219,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1629, 0.2981, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 219, 221) }
```

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

```
.background{ background-color: rgb(200,  
219, 221) }
```

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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