

Converting Colors

Yxy(67.8487, 0.3014, 0.3225)

Have a look what the booklet for
Yxy(67.8487, 0.3014, 0.3225)
contains.

Yxy(68.0214, 0.3016, 0.3233)	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(68.0214, 0.3016, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	CED9DE
RGB	206, 217, 222
RGB Percent	81%, 85%, 87%
CMY	0.1921, 0.1490, 0.1293
CMYK	0.07, 0.02, 0.00, 0.13
HSL	199°, 20%, 84%
HSV	199°, 7%, 87%
XYZ	63.4558, 68.0214, 78.9200
YIQ	214.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

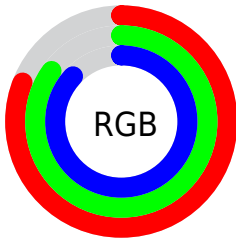
Format	Color
R _{YB}	206, 213, 222
Decimal	13556190
CIE Lab	86.02, -2.73, -3.76
CIE LCh	86, 4.649, 234.045
Yxy	68.0214, 0.3016, 0.3233
Android (android.graphics.Color)	4291746270 (0xFFCED9DE)
YUV	214.2810, 3.8055, -7.2624
Hunter-Lab	82.4751, -6.9947, 0.9983

Details

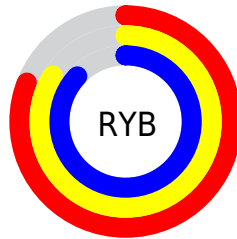
The Yxy color **68.0214, 0.3016, 0.3233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6028, 0.3245, 0.3346**, and the grayscale version is **67.4254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3061, 0.2991, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **61.5455, 0.2861, 0.3147**, and if you desaturate by 10%, it is **75.1041, 0.3170, 0.3311**.

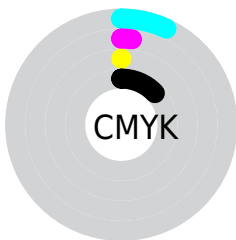
Distribution



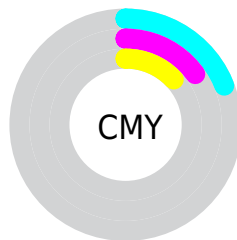
- Red (81%)
- Green (85%)
- Blue (87%)



- Red (81%)
- Yellow (84%)
- Blue (87%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (19%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0214, 0.3016, 0.3233 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 68.0214, 0.3016, 0.3233 by changing the saturation by 10% instead.

■ 68.0214, 0.3016,
0.3233

■ 68.0214, 0.3016,
0.3233

453.5718, 0.3068,
0.3260

■ 49.9151, 0.3004,
0.3227

116.3828, 0.3034,
0.3242

■ 35.3460, 0.2989,
0.3219

147.4066, 0.3041,
0.3246

■ 23.9295, 0.2970,
0.3209

183.5052, 0.3047,
0.3249

■ 15.2813, 0.2945,
0.3195

225.0628, 0.3052,
0.3252

■ 9.0171, 0.2910,
0.3177

272.4639, 0.3057,
0.3254

■ 4.7523, 0.2860,
0.3149

326.0928, 0.3061,

■ 2.1027, 0.2778,

0.3256

0.3103

386.3340, 0.3065,
0.3258

0.6661, 0.2550,
0.2999

0.0000, 0.0000,
0.0000

68.0214, 0.3016,
0.3233

68.0214, 0.3016,
0.3233

61.5455, 0.2861,
0.3147

75.1041, 0.3170,
0.3311

55.6473, 0.2708,
0.3053

82.8044, 0.3320,
0.3380

50.3076, 0.2560,
0.2950

87.6483, 0.3343,
0.3448

45.5029, 0.2421,
0.2841

91.7897, 0.3334,
0.3515

■ 41.2077, 0.2293,
0.2727

■ 96.0904, 0.3325,
0.3582

■ 37.3937, 0.2181,
0.2608

■ 98.0561, 0.3321,
0.3611

■ 34.0293, 0.2088,
0.2488

■ 31.0776, 0.2015,
0.2367

■ 28.4905, 0.1962,
0.2249

Harmonies

Analogous

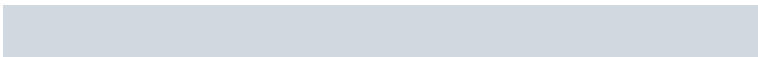
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0214, 0.3029, 0.3281



68.0214, 0.3016, 0.3233



68.0214, 0.3032, 0.3201

Triad

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



68.0214, 0.3016, 0.3233



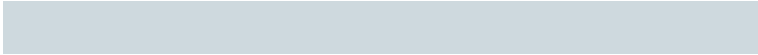
68.0214, 0.3186, 0.3248



68.0214, 0.3180, 0.3390

Complementary

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



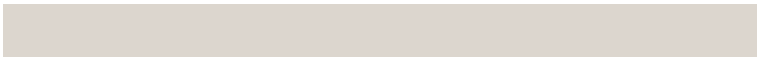
68.0214, 0.3016, 0.3233



66.6028, 0.3245, 0.3346

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.



68.0214, 0.3223, 0.3380



68.0214, 0.3016, 0.3233



68.0214, 0.3226, 0.3298

Square

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



68.0214, 0.3016, 0.3233



68.0214, 0.3130, 0.3210



68.0214, 0.3240, 0.3346



68.0214, 0.3124, 0.3372

Rectangle

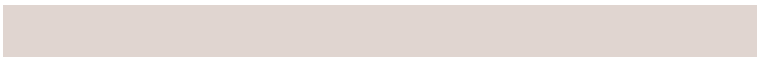
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0214, 0.3016, 0.3233



68.0214, 0.3058, 0.3192



68.0214, 0.3240, 0.3346



68.0214, 0.3197, 0.3389

Sweetspot

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



68.0243, 0.3016, 0.3233



98.0271, 0.3096, 0.3275



70.0805, 0.3087, 0.3417



21.0026, 0.3098, 0.3275



0.0000, 0.0000, 0.0000



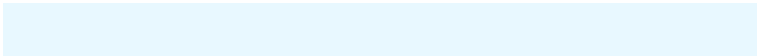
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0243, 0.3016, 0.3233



91.3880, 0.2987, 0.3218



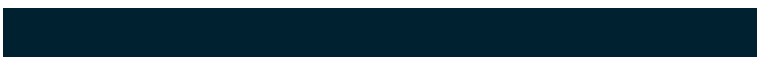
64.1028, 0.3017, 0.3144



14.8076, 0.2982, 0.3215



16.7222, 0.1954, 0.2234



1.3172, 0.2005, 0.2416

Inverse Universe

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



64.6900, 0.3171, 0.3169



85.7655, 0.3183, 0.3137



70.5686, 0.3237, 0.3432



13.8585, 0.3186, 0.3131



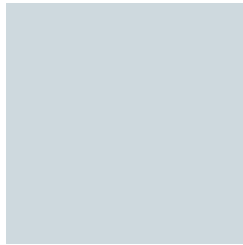
10.5962, 0.4196, 0.2085



0.7504, 0.4007, 0.1981

Previews

White Background



This preview shows how the Yxy color 68.0214, 0.3016, 0.3233 looks on a white background.

Color Contrast Check

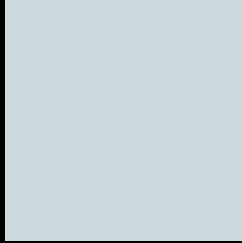
Large Text (above 18pt) WCAG AA × Fail

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 68.0214, 0.3016, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

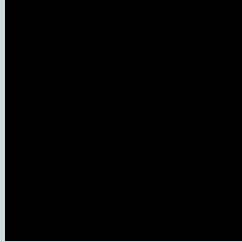
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

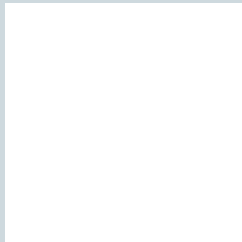
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0214, 0.3016, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 68.0214, 0.3016, 0.3233.

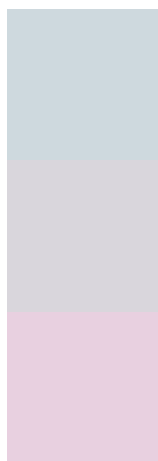


This preview shows how white text looks on a background with the Yxy color 68.0214, 0.3016, 0.3233.

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

68.0214, 0.3016, 0.3233

Protanopia

68.0122, 0.3108, 0.3224

Deuteranopia

67.6494, 0.3195, 0.3119



Tritanopia

67.8370, 0.2966, 0.3101

Trichromacy



Original Color

68.0214, 0.3016, 0.3233

Protanomaly

67.9675, 0.3073, 0.3223

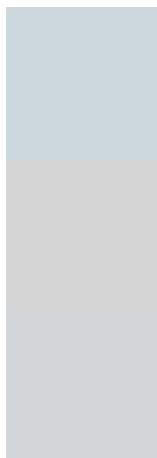
Deuteranomaly

67.6042, 0.3133, 0.3159

Tritanomaly

67.9786, 0.2985, 0.3156

Monochromacy



Original Color

68.0214, 0.3016, 0.3233

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.4595, 0.3085, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0214, 0.3016, 0.3233 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(206, 217, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 217, 222)  
}
```

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(206, 217, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 217, 222) }
```

Border

The CSS property to change the border of an element to Yxy 68.0214, 0.3016, 0.3233 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(206, 217, 222) }
```

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

```
.border{ border-color:rgb(206, 217, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 217, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 217, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 217, 222); box-shadow:4px 4px 4px 4px rgb(206, 217, 222) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.0214, 0.3016, 0.3233$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 217, 222) }
```

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

```
.background{ background-color: rgb(206,  
217, 222) }
```

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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