

Converting Colors

Yxy(68.1904, 0.2963, 0.3199)

Have a look what the booklet for
Yxy(68.1904, 0.2963, 0.3199)
contains.

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Color

Yxy(68.1904, 0.2963, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	CADAE2
RGB	202, 218, 226
RGB Percent	79%, 85%, 89%
CMY	0.2078, 0.1451, 0.1136
CMYK	0.11, 0.04, 0.00, 0.11
HSL	200°, 29%, 84%
HSV	200°, 11%, 89%
XYZ	63.1598, 68.1904, 81.8114
YIQ	214.1280, -12.1040, -0.9040

Conversions

Conversions Part 2

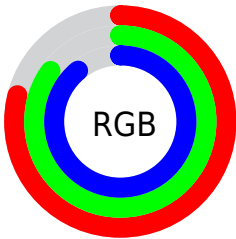
Format	Color
R _Y B	202, 212, 226
Decimal	13294306
CIE Lab	86.10, -3.77, -5.79
CIE LCh	86, 6.908, 236.883
Yxy	68.1904, 0.2963, 0.3199
Android (android.graphics.Color)	4291484386 (0xFFCADAE2)
YUV	214.1280, 5.8529, -10.6363
Hunter-Lab	82.5775, -7.9840, -0.9357

Details

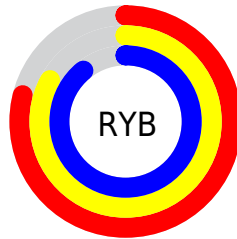
The Yxy color **68.1904, 0.2963, 0.3199** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.5511, 0.3305, 0.3379**, and the grayscale version is **67.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4306, 0.2923, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **61.4368, 0.2808, 0.3104**, and if you desaturate by 10%, it is **75.5903, 0.3117, 0.3285**.

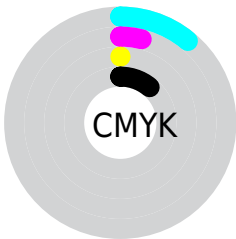
Distribution



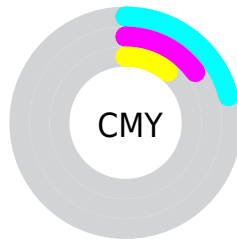
- Red (79%)
- Green (85%)
- Blue (89%)



- Red (79%)
- Yellow (83%)
- Blue (89%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1904, 0.2963, 0.3199 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 68.1904, 0.2963, 0.3199 by changing the saturation by 10% instead.

■ 68.1904, 0.2963,
0.3199

■ 68.1904, 0.2963,
0.3199

454.1703, 0.3040,
0.3242

■ 50.0526, 0.2945,
0.3189

116.6245, 0.2990,
0.3214

■ 35.4552, 0.2923,
0.3176

147.6896, 0.3000,
0.3220

■ 24.0138, 0.2896,
0.3160

183.8326, 0.3009,
0.3225

■ 15.3438, 0.2859,
0.3139

225.4380, 0.3017,
0.3229

■ 9.0610, 0.2809,
0.3109

272.8900, 0.3023,
0.3233

■ 4.7810, 0.2735,
0.3065

326.5732, 0.3029,

■ 2.1194, 0.2618,

0.3236

0.2992

386.8718, 0.3035,
0.3239

0.6755, 0.2314,
0.2843

0.0000, 0.0000,
0.0000

68.1904, 0.2963,
0.3199

68.1904, 0.2963,
0.3199

61.4368, 0.2808,
0.3104

75.5903, 0.3117,
0.3285

55.2985, 0.2655,
0.3000

83.6490, 0.3269,
0.3362

49.7545, 0.2507,
0.2889

89.4711, 0.3314,
0.3435

44.7793, 0.2369,
0.2770

94.0306, 0.3305,
0.3507

■ 40.3447, 0.2243,
0.2645

■ 98.2731, 0.3297,
0.3571

■ 36.4197, 0.2134,
0.2517

■ 32.9692, 0.2045,
0.2388

■ 29.9516, 0.1977,
0.2260

■ 27.4536, 0.1929,
0.2142

Harmonies

Analogous

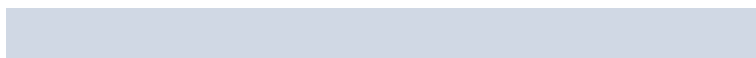
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1904, 0.2979, 0.3269



68.1904, 0.2963, 0.3199



68.1904, 0.2991, 0.3155

Triad

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



68.1904, 0.2963, 0.3199



68.1904, 0.3221, 0.3234



68.1904, 0.3198, 0.3438

Complementary

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



68.1904, 0.2963, 0.3199



66.5511, 0.3305, 0.3379

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.



68.1904, 0.3265, 0.3426



68.1904, 0.2963, 0.3199



68.1904, 0.3278, 0.3308

Square

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



68.1904, 0.2963, 0.3199



68.1904, 0.3139, 0.3176



68.1904, 0.3294, 0.3378



68.1904, 0.3114, 0.3409

Rectangle

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



68.1904, 0.2963, 0.3199



68.1904, 0.3030, 0.3145



68.1904, 0.3294, 0.3378



68.1904, 0.3224, 0.3438

Sweetspot

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



68.1933, 0.2963, 0.3199



96.9567, 0.3081, 0.3265



71.6241, 0.3063, 0.3472



20.5815, 0.3068, 0.3258



0.0000, 0.0000, 0.0000



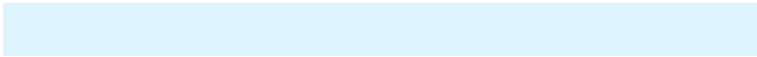
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1933, 0.2963, 0.3199



87.3769, 0.2925, 0.3177



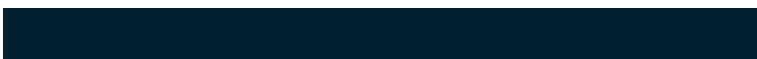
62.1956, 0.2961, 0.3061



14.7599, 0.2982, 0.3210



15.8834, 0.1934, 0.2162



1.2637, 0.1988, 0.2356

Inverse Universe

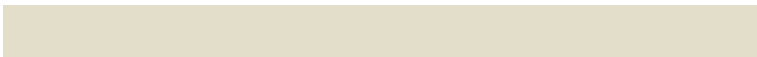
The Inverse Universe completely reimagines the original color for something new.



63.4783, 0.3197, 0.3115



79.9495, 0.3215, 0.3073



72.6990, 0.3290, 0.3509



13.8536, 0.3189, 0.3135



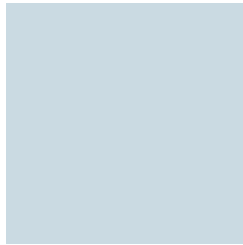
10.5115, 0.4273, 0.2128



0.7450, 0.4068, 0.2014

Previews

White Background



This preview shows how the Yxy color 68.1904, 0.2963, 0.3199 looks on a white background.

Color Contrast Check

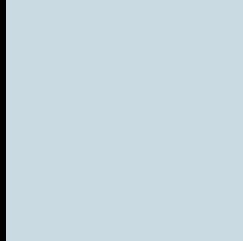
Large Text (above 18pt) WCAG AA × Fail

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 68.1904, 0.2963, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

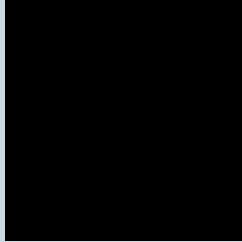
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

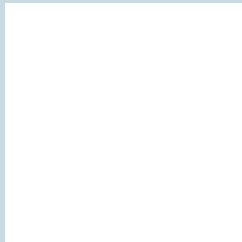
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1904, 0.2963, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 68.1904, 0.2963, 0.3199.



This preview shows how white text looks on a background with the Yxy color 68.1904, 0.2963, 0.3199.

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

68.1904, 0.2963, 0.3199

Protanopia

68.0739, 0.3074, 0.3180

Deuteranopia

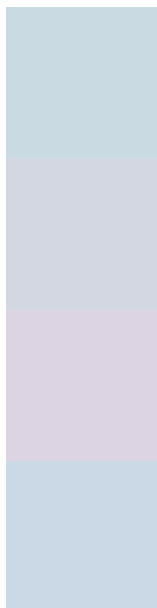
68.0254, 0.3151, 0.3087



Tritanopia

68.2627, 0.2920, 0.3100

Trichromacy



Original Color

68.1904, 0.2963, 0.3199

Protanomaly

67.8860, 0.3032, 0.3179

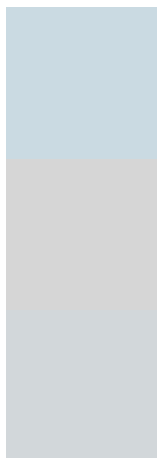
Deuteranomaly

67.8487, 0.3084, 0.3126

Tritanomaly

68.0917, 0.2939, 0.3133

Monochromacy



Original Color

68.1904, 0.2963, 0.3199

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3645, 0.3071, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1904, 0.2963, 0.3199 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, 218, 226)` looks like.

```
.text, #text, p{  
    color:rgb(202, 218, 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, 218, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 218, 226) }
```

Border

The CSS property to change the border of an element to Yxy 68.1904, 0.2963, 0.3199 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, 218, 226) }
```

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

```
.border{ border-color:rgb(202, 218, 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, 218, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 218, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 218, 226);  
box-shadow:4px 4px 4px 4px rgb(202, 218,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1904, 0.2963, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 218, 226) }
```

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

```
.background{ background-color: rgb(202,  
218, 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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