

Converting Colors

$Yxy(70.0064, 0.2923, 0.3103)$

Have a look what the booklet for
Yxy(70.0064, 0.2923, 0.3103)
contains.

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Color

Yxy(69.8410, 0.2928, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	CEDBEC
RGB	206, 219, 236
RGB Percent	81%, 86%, 93%
CMY	0.1922, 0.1411, 0.0744
CMYK	0.13, 0.07, 0.00, 0.07
HSL	214°, 44%, 87%
HSV	214°, 13%, 93%
XYZ	65.9234, 69.8410, 89.3839
YIQ	217.0510, -13.2050, 2.5310

Conversions

Conversions Part 2

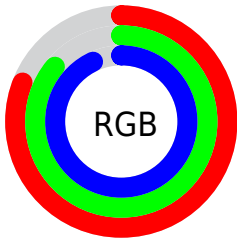
Format	Color
R _Y B	206, 215, 236
Decimal	13556716
CIE Lab	86.92, -1.02, -9.82
CIE LCh	87, 9.875, 264.051
Yxy	69.8410, 0.2928, 0.3102
Android (android.graphics.Color)	4291746796 (0xFFCEDBEC)
YUV	217.0510, 9.3419, -9.6917
Hunter-Lab	83.5709, -5.4426, -4.9144

Details

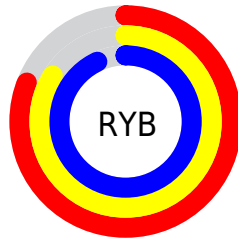
The Yxy color **69.8410, 0.2928, 0.3102** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.0666, 0.3335, 0.3471**, and the grayscale version is **69.3666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5216, 0.2886, 0.3059** is the 20% darker color. If you saturate the color by 10%, you get **60.0185, 0.2763, 0.2935**, and if you desaturate by 10%, it is **80.7367, 0.3086, 0.3252**.

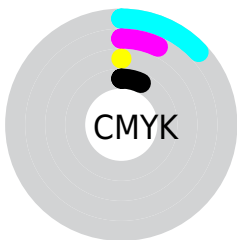
Distribution



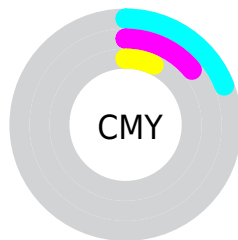
- Red (81%)
- Green (86%)
- Blue (93%)



- Red (81%)
- Yellow (84%)
- Blue (93%)



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



- Cyan (19%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8410, 0.2928, 0.3102 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 69.8410, 0.2928, 0.3102 by changing the saturation by 10% instead.

■ 69.8410, 0.2928,
0.3102

■ 69.8410, 0.2928,
0.3102

459.9915, 0.3021,
0.3190

■ 51.3969, 0.2907,
0.3082

118.9820, 0.2960,
0.3133

■ 36.5246, 0.2881,
0.3057

150.4477, 0.2973,
0.3144

■ 24.8396, 0.2847,
0.3025

187.0227, 0.2983,
0.3155

■ 15.9576, 0.2804,
0.2983

229.0914, 0.2993,
0.3163

■ 9.4942, 0.2744,
0.2926

277.0383, 0.3001,
0.3171

■ 5.0649, 0.2658,
0.2843

331.2477, 0.3008,

■ 2.2854, 0.2522,

0.3178

0.2712

392.1040, 0.3015,
0.3184

0.7660, 0.2265,
0.2468

0.0000, 0.0000,
0.0000

69.8410, 0.2928,
0.3102

69.8410, 0.2928,
0.3102

60.0185, 0.2763,
0.2935

80.7367, 0.3086,
0.3252

51.2249, 0.2594,
0.2750

92.7306, 0.3234,
0.3385

43.4252, 0.2423,
0.2550

98.8378, 0.3238,
0.3473

36.5790, 0.2257,
0.2338

■ 30.6427, 0.2102,
0.2117

■ 25.5682, 0.1962,
0.1894

■ 21.3020, 0.1846,
0.1677

■ 17.7818, 0.1755,
0.1474

■ 15.6301, 0.1705,
0.1337

Harmonies

Analogous

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



69.8410, 0.2895, 0.3168



69.8410, 0.2928, 0.3102



69.8410, 0.3014, 0.3086

Triad

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



69.8410, 0.2928, 0.3102



69.8410, 0.3336, 0.3305



69.8410, 0.3119, 0.3466

Complementary

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



69.8410, 0.2928, 0.3102



75.0666, 0.3335, 0.3471

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.



69.8410, 0.3238, 0.3501



69.8410, 0.2928, 0.3102



69.8410, 0.3365, 0.3406

Square

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



69.8410, 0.2928, 0.3102



69.8410, 0.3250, 0.3202



69.8410, 0.3329, 0.3478



69.8410, 0.3004, 0.3380

Rectangle

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



69.8410, 0.2928, 0.3102



69.8410, 0.3091, 0.3106



69.8410, 0.3329, 0.3478



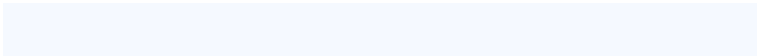
69.8410, 0.3160, 0.3484

Sweetspot

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



69.8439, 0.2928, 0.3102



94.4859, 0.3066, 0.3234



78.4271, 0.3012, 0.3438



20.0070, 0.3054, 0.3223



0.0000, 0.0000, 0.0000



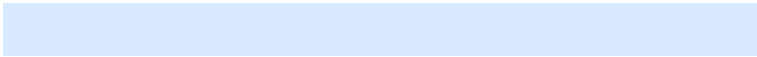
21.4041, 0.3127, 0.3290

Same Dimension

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



69.8439, 0.2928, 0.3102



80.4022, 0.2890, 0.3065



63.5238, 0.2935, 0.2956



15.6234, 0.2980, 0.3153



8.8600, 0.1713, 0.1367



0.8838, 0.1788, 0.1635

Inverse Universe

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



67.0842, 0.3263, 0.3152



76.6594, 0.3292, 0.3125



82.0442, 0.3307, 0.3606



15.1625, 0.3225, 0.3188



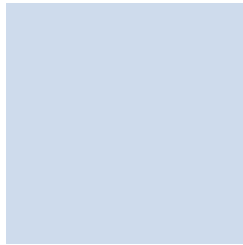
10.3872, 0.5236, 0.2658



0.8346, 0.4887, 0.2466

Previews

White Background



This preview shows how the Yxy color 69.8410, 0.2928, 0.3102 looks on a white background.

Color Contrast Check

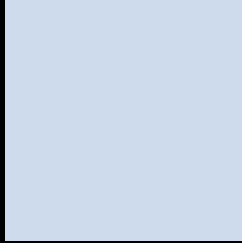
Large Text (above 18pt) WCAG AA × Fail

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 69.8410, 0.2928, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

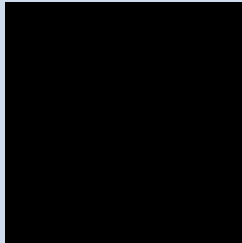
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

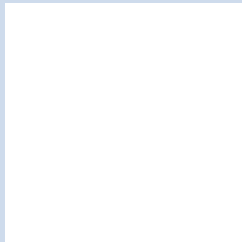
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8410, 0.2928, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 69.8410, 0.2928, 0.3102.



This preview shows how white text looks on a background with the Yxy color 69.8410, 0.2928, 0.3102.

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

69.8410, 0.2928, 0.3102

Protanopia

69.6512, 0.3009, 0.3094

Deuteranopia

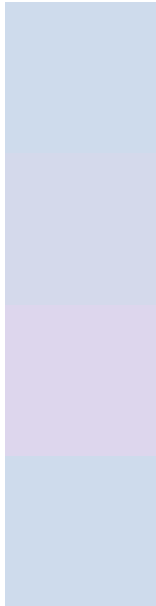
69.4196, 0.3075, 0.3005



Tritanopia

69.8410, 0.2928, 0.3102

Trichromacy



Original Color

69.8410, 0.2928, 0.3102

Protanomaly

69.6209, 0.2975, 0.3093

Deuteranomaly

69.5797, 0.3025, 0.3043

Tritanomaly

69.8410, 0.2928, 0.3102

Monochromacy



Original Color

69.8410, 0.2928, 0.3102

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6708, 0.3052, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8410, 0.2928, 0.3102 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, 219, 236)` looks like.

```
.text, #text, p{  
    color:rgb(206, 219, 236)  
}
```

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, 219, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 219, 236) }
```

Border

The CSS property to change the border of an element to Yxy 69.8410, 0.2928, 0.3102 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, 219, 236) }
```

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

```
.border{ border-color:rgb(206, 219, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 219, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 219, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 219, 236);  
box-shadow:4px 4px 4px 4px rgb(206, 219,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8410, 0.2928, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 219, 236) }
```

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

```
.background{ background-color: rgb(206,  
219, 236) }
```

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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