

Converting Colors

$Y_{xy}(72.6860, 0.2923, 0.3179)$

Have a look what the booklet for
Yxy(72.6860, 0.2923, 0.3179)
contains.

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Color

Yxy(72.6860, 0.2923, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	CCE1EB
RGB	204, 225, 235
RGB Percent	80%, 88%, 92%
CMY	0.1999, 0.1177, 0.0783
CMYK	0.13, 0.04, 0.00, 0.08
HSL	199°, 44%, 86%
HSV	199°, 13%, 92%
XYZ	66.8327, 72.6860, 89.1255
YIQ	219.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

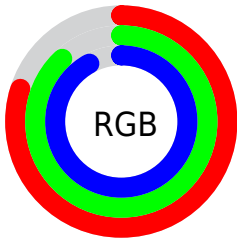
Format	Color
R _Y B	204, 217, 235
Decimal	13427179
CIE Lab	88.30, -4.94, -7.26
CIE LCh	88, 8.785, 235.772
Yxy	72.6860, 0.2923, 0.3179
Android (android.graphics.Color)	4291617259 (0xFFCCE1EB)
YUV	219.8610, 7.4635, -13.9101
Hunter-Lab	85.2561, -9.2710, -2.3017

Details

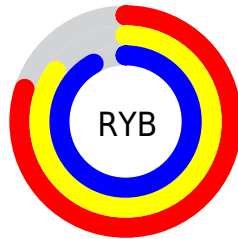
The Yxy color **72.6860, 0.2923, 0.3179** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.1586, 0.3354, 0.3398**, and the grayscale version is **71.4300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4882, 0.2881, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **65.5902, 0.2768, 0.3085**, and if you desaturate by 10%, it is **80.4724, 0.3078, 0.3265**.

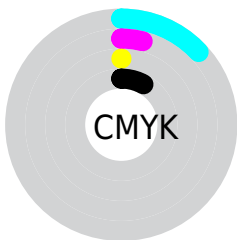
Distribution



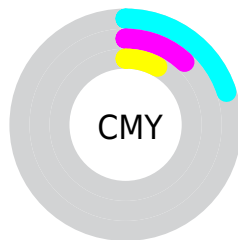
- Red (80%)
- Green (88%)
- Blue (92%)



- Red (80%)
- Yellow (85%)
- Blue (92%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



- Cyan (20%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6860, 0.2923, 0.3179 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 72.6860, 0.2923, 0.3179 by changing the saturation by 10% instead.

■ 72.6860, 0.2923,
0.3179

■ 72.6860, 0.2923,
0.3179

469.9258, 0.3017,
0.3231

■ 53.7192, 0.2902,
0.3167

123.0313, 0.2956,
0.3197

■ 38.3773, 0.2875,
0.3152

155.1787, 0.2968,
0.3204

■ 26.2756, 0.2842,
0.3133

192.4884, 0.2979,
0.3210

■ 17.0299, 0.2799,
0.3108

235.3449, 0.2989,
0.3216

■ 10.2558, 0.2740,
0.3073

284.1324, 0.2997,
0.3220

■ 5.5689, 0.2655,
0.3022

339.2355, 0.3004,

■ 2.5848, 0.2525,

0.3224

0.2941

401.0385, 0.3011,
0.3228

0.9190, 0.2289,
0.2795

0.0000, 0.0000,
0.0000

72.6860, 0.2923,
0.3179

72.6860, 0.2923,
0.3179

65.5902, 0.2768,
0.3085

80.4724, 0.3078,
0.3265

59.1513, 0.2617,
0.2982

88.9637, 0.3231,
0.3341

53.3458, 0.2472,
0.2872

94.2875, 0.3250,
0.3415

48.1450, 0.2337,
0.2755

98.7798, 0.3244,
0.3483

■ 43.5177, 0.2217,
0.2633

■ 39.4289, 0.2115,
0.2509

■ 35.8387, 0.2033,
0.2384

■ 32.6990, 0.1971,
0.2261

■ 30.7687, 0.1938,
0.2178

Harmonies

Analogous

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



72.6860, 0.2944, 0.3267



72.6860, 0.2923, 0.3179



72.6860, 0.2955, 0.3123

Triad

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



72.6860, 0.2923, 0.3179



72.6860, 0.3241, 0.3218



72.6860, 0.3219, 0.3475

Complementary

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



72.6860, 0.2923, 0.3179



70.1586, 0.3354, 0.3398

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.



72.6860, 0.3301, 0.3458



72.6860, 0.2923, 0.3179



72.6860, 0.3314, 0.3309

Square

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



72.6860, 0.2923, 0.3179



72.6860, 0.3138, 0.3146



72.6860, 0.3336, 0.3396



72.6860, 0.3114, 0.3440

Rectangle

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



72.6860, 0.2923, 0.3179



72.6860, 0.3003, 0.3110



72.6860, 0.3336, 0.3396



72.6860, 0.3250, 0.3475

Sweetspot

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



72.6890, 0.2923, 0.3179



96.0271, 0.3065, 0.3258



77.1233, 0.3051, 0.3526



20.3971, 0.3054, 0.3252



0.0000, 0.0000, 0.0000



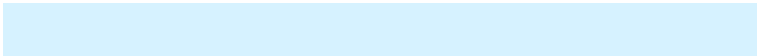
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6890, 0.2923, 0.3179



84.9243, 0.2878, 0.3153



64.7968, 0.2918, 0.3007



16.2518, 0.2981, 0.3212



17.3610, 0.1944, 0.2198



1.5366, 0.1991, 0.2367

Inverse Universe

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



66.3062, 0.3214, 0.3068



75.8525, 0.3235, 0.3017



78.2595, 0.3332, 0.3558



15.2260, 0.3187, 0.3132



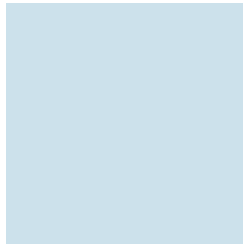
11.2454, 0.4235, 0.2107



0.9005, 0.4057, 0.2009

Previews

White Background



This preview shows how the Yxy color 72.6860, 0.2923, 0.3179 looks on a white background.

Color Contrast Check

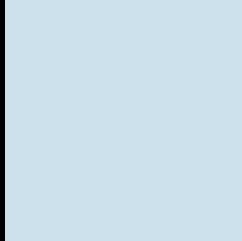
Large Text (above 18pt) WCAG AA × Fail

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 72.6860, 0.2923, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

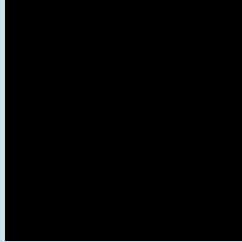
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

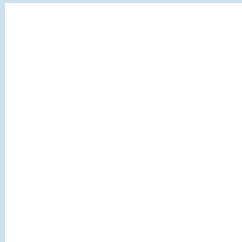
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6860, 0.2923, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 72.6860, 0.2923, 0.3179.

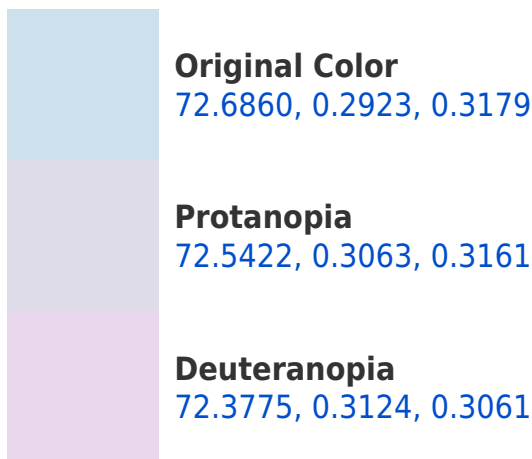


This preview shows how white text looks on a background with the Yxy color 72.6860, 0.2923, 0.3179.

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

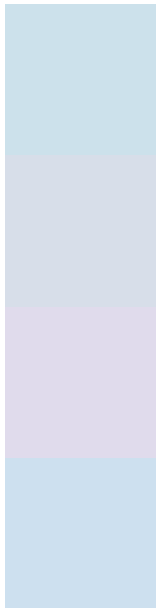




Tritanopia

72.7012, 0.2887, 0.3093

Trichromacy



Original Color

72.6860, 0.2923, 0.3179

Protanomaly

72.5728, 0.3008, 0.3171

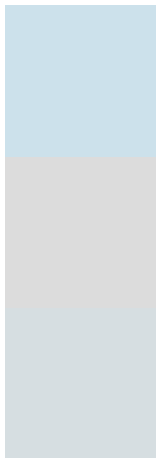
Deuteranomaly

72.5665, 0.3051, 0.3109

Tritanomaly

72.5224, 0.2905, 0.3125

Monochromacy



Original Color

72.6860, 0.2923, 0.3179

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.9749, 0.3052, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6860, 0.2923, 0.3179 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(204, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 235)  
}
```

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(204, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 235) }
```

Border

The CSS property to change the border of an element to Yxy 72.6860, 0.2923, 0.3179 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(204, 225, 235) }
```

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

```
.border{ border-color:rgb(204, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
235) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.6860, 0.2923, 0.3179$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 235) }
```

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

```
.background{ background-color: rgb(204,  
225, 235) }
```

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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